

V. Balasubramanian

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 Feb 06 Engineering Information Encompass files have new names
NEWS 4 Feb 16 TOXLINE no longer being updated
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
DWPI and DPCI
NEWS 10 Aug 23 In-process records and more frequent updates now in
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NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
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CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:30:18 ON 08 SEP 2001

=> file lcasreact

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

0.15

0.15

09/719,508

V. Balasubramanian

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
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NEWS 3 Feb 06 Engineering Information Encompass files have new names
NEWS 4 Feb 16 TOXLINE no longer being updated
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
DWPI and DPCI
NEWS 10 Aug 23 In-process records and more frequent updates now in
MEDLINE
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change
to PHARMASEARCH
NEWS 14 Oct 09 Korean abstracts now included in Derwent World Patents
Index
NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased
NEWS 16 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS 17 Oct 22 Over 1 million reactions added to CASREACT
NEWS 18 Oct 22 DGENE GETSIM has been improved

NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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V. Balasubramanian

FILE 'HOME' ENTERED AT 14:49:37 ON 22 OCT 2001

=> file casreact

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'CASREACT' ENTERED AT 14:49:46 ON 22 OCT 2001

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

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FILE CONTENT:1974 - 21 Oct 2001 VOL 135 ISS 17

Some records from 1974 to 1991 are derived from the ZIC/VINITI data file and provided by InfoChem.

This file contains CAS Registry Numbers for easy and accurate substance identification.

Structure search limits have been increased. See HELP SLIMIT for details.

Crossover limits have been increased. See HELP RNCROSSOVER for details.

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\19719508.str

L1 STRUCTURE UPLOADED

=> que L1

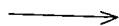
L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR

Hy—S



Hy—Cl

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:50:17 FILE 'CASREACT'

09/719,508

V. Balasubramanian

must be entered on the same line as DISPLAY, e.g.,
D SCAN.)

SSRX ----- Single-Step Reactions (Map, Diagram, and Summary for
all single-step reactions)

STD ----- BIB, IPC, and NCL

CRD ----- Compact Display of All Hit Reactions

CRDREF ----- Compact Reaction Display and SO, PY for Reference

FHIT ----- Reaction Map, Diagram, and Summary for first
hit reaction

FHITCBIB --- FHIT, AN plus CBIB

FCRD ----- First hit in Compact Reaction Display (CRD) format

FCRDREF ----- First hit in Compact Reaction Display (CRD) format with
CA reference information (SO, PY). (Default)

FPATH ----- PATH, plus Reaction Summary for the "long path"

FSPATH ----- SPATH, plus Reaction Summary for the "short path"

HIT ----- Reaction Map, Reaction Diagram, and Reaction
Summary for all hit reactions and fields containing
hit terms

OCC ----- All hit fields and the number of occurrences of the
hit terms in each field. Includes total number of
HIT, PATH, SPATH reactions. Labels reactions that have
incomplete verifications.

PATH ----- Reaction Map and Reaction Diagram for the "long
path". Displays all hit reactions, except those
whose steps are totally included within another hit
reaction which is displayed

RX ----- Hit Reactions (Map, Diagram, Summary for all hit reactions)

RXG ----- Hit Reaction Graphics (Map and Diagram for all hit reactions)

RXL ----- Hit Reaction Long (Map, Diagram, Summary for all hit reactions)

RXS ----- Hit Reaction Summarizers (Map and Summary for all hit reactions)

SPATH ----- Reaction Map and Reaction Diagram for the "short
path". Displays all single step reactions which
contain a hit substance. Also displays those
multistep reactions that have a hit substance in both
the first and last steps of the reaction, except for
those hit reactions whose steps are totally included
within another hit reaction which is displayed

To display a particular field or fields, enter the display field
codes. For a list of the display field codes, enter HELP DFIELDS
at an arrow prompt (=>). Examples of combinations include: D TI;
D BIB RX; D TI, AU, FCRD. The information is displayed in the same order
as the specification. All of the formats, except CRD, CRDREF, FHIT, PATH,
FPATH, SPATH, FSPATH, FCRD, FCRDREF, HIT, RX, RXG, RXS, SCAN, and OCC, may
be used with the DISPLAY command to display the record for a specified
Accession Number.

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):6

L3 7 ANSWERS CASREACT COPYRIGHT 2001 ACS

TI The reaction of 9-(2',3'-dideoxy-.beta.-D-glycero-pent-2-
enofuranosyl)adenine derivatives with arene- and alkanesulfonyl
chlorides.

An unusual ring opening reaction of thiiranium ions

V. Balasubramanian

SCREENING COMPLETE - 7337 REACTIONS TO VERIFY FROM 1004 DOCUMENTS

68.1% DONE 5000 VERIFIED 22 HIT RXNS 7 DOCS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.04

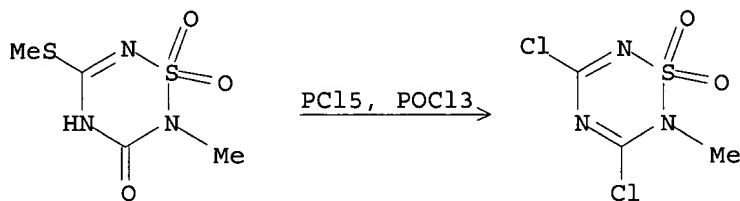
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 141674 TO 151806
PROJECTED ANSWERS: 10 TO 388

L3 7 SEA SSS SAM L1 (22 REACTIONS)

=> d scan l3 1-7
'1-7' IS NOT A VALID FORMAT FOR FILE 'CASREACT'

L3 7 ANSWERS CASREACT COPYRIGHT 2001 ACS

TI 2(6)-Alkyl-3,5-diamino-1,2,4,6-thiatriazine 1,1-dioxides. Part I
RX(1) OF 56



The following are valid formats:

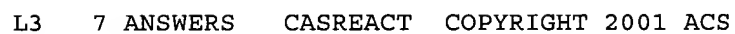
ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE, Single-step Reactions
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
DALL ----- ALL, delimited (end of each field identified)
IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IND ----- Indexing data
IPC ----- International Patent Classifications
ISTD ----- STD, indented with text labels
OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

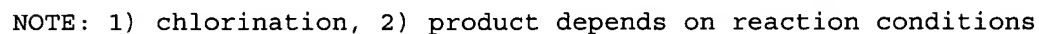
MAX ----- Same as ALL
PATS ----- PI, SO
SCAN ----- TI and FCRD (random display, no answer number. SCAN

09/719,508

RX (29) OF 173



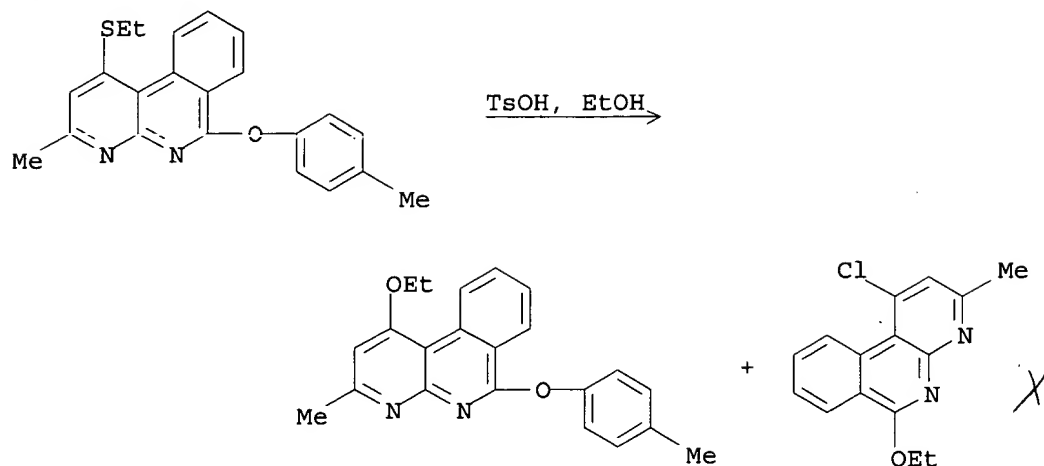
RX (38) OF 70 - 2 STEPS



TI Nucleophilic substitution reactions in benzo[c][1,8]naphthyridines

V. Balasubramanian

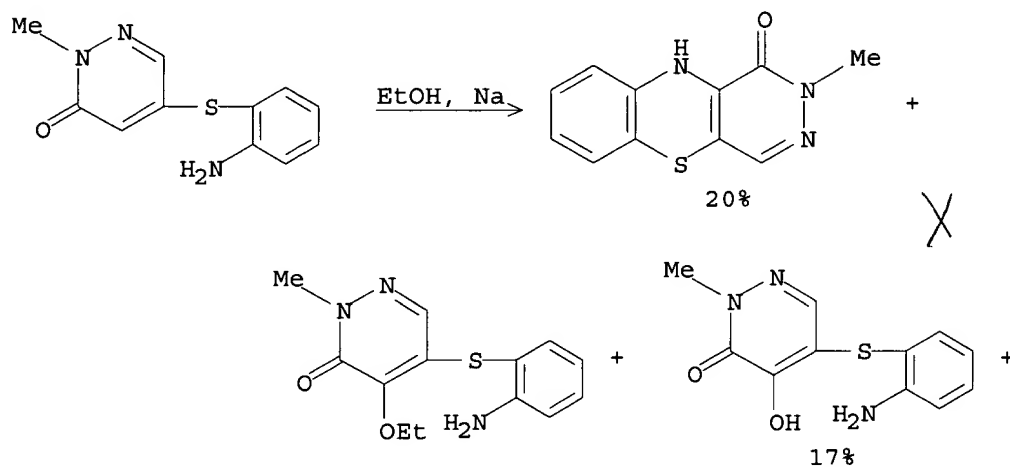
RX(20) OF 98



L3 7 ANSWERS CASREACT COPYRIGHT 2001 ACS

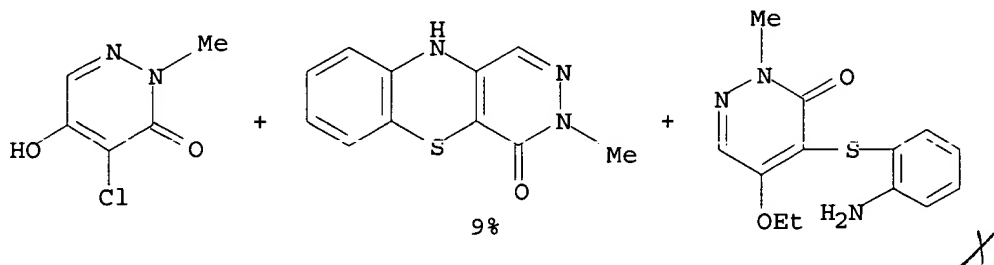
TI Studies on pyridazinone derivatives. XIII. Unusual displacement reaction
of 5-(o-aminophenylthio)-4-chloro-2-methyl-3(2H)-pyridazinone with alkali

RX(1) OF 29



V. Balasubramanian

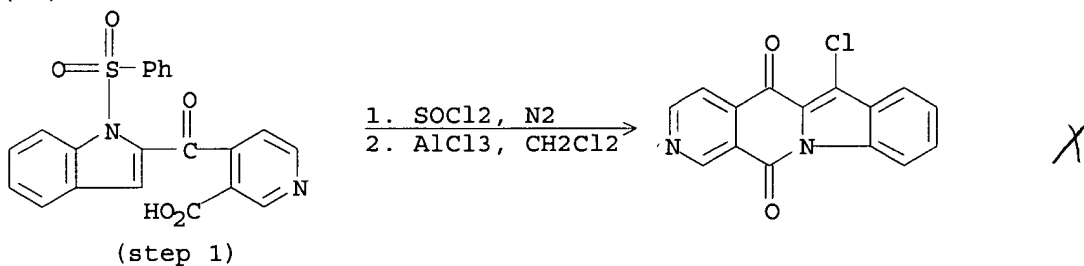
RX(1) OF 29



L3 7 ANSWERS CASREACT COPYRIGHT 2001 ACS

TI A convenient synthesis of 3-acylindoles via Friedel Crafts acylation of 1-(phenylsulfonyl)indole. A new route to pyridocarbazole-5,11-quinones and ellipticine

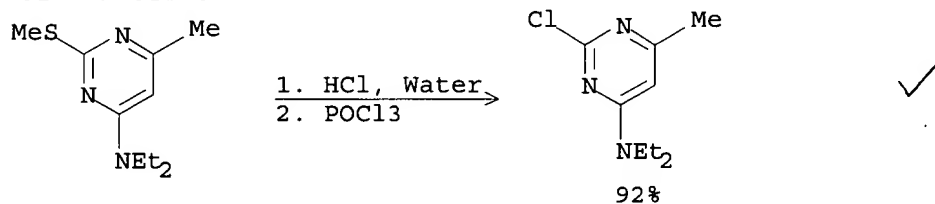
RX(24) OF 73



L3 7 ANSWERS CASREACT COPYRIGHT 2001 ACS

TI Pyrimidines. 8. Chlorination of 6-methyluracil with phosphorus oxychloride in the presence of trialkylamines

RX(44) OF 61 - 2 STEPS



ALL ANSWERS HAVE BEEN SCANNED

=> s ll sss ful

FULL SEARCH INITIATED 14:51:03 FILE 'CASREACT'

SCREENING COMPLETE - 155211 REACTIONS TO VERIFY FROM 20903 DOCUMENTS

100.0% DONE 155211 VERIFIED

762 HIT RXNS

199 DOCS

09/719,508

V. Balasubramanian

SEARCH TIME: 00.00.11

L4 199 SEA SSS FUL L1 (762 REACTIONS)

=> d l4 bib 1-199

L4 ANSWER 1 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 135:152806 CASREACT

TI Preparation of fused 2-chlorobenzimidazoles by chlorination of fused 1,3-dihydrobenzimidazol-2-thiones using chlorine.

IN Weintritt, Holger; Lantzsch, Reinhard; Mueh, Thorsten; Conrad, Michael

PA Bayer A.-G., Germany

SO Ger. Offen., 6 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10005277	A1	20010809	DE 2000-10005277	20000207
	WO 2001058903	A1	20010816	WO 2001-EP796	20010125
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI DE 2000-10005277 20000207

OS MARPAT 135:152806

L4 ANSWER 2 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 134:86158 CASREACT

TI Method for preparation of hydroxy-2-halogenopyridine derivatives

IN Shimizu, Kazuya; Kuwayama, Tomoya; Asanuma, Goro

PA Kuraray Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001002643	A2	20010109	JP 1999-174287	19990621
OS	MARPAT 134:86158				

L4 ANSWER 3 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 134:17639 CASREACT

TI Synthesis of (1.fwdarw.4)-Linked 2-Deoxy-2-fluoroglucose Oligomers. 1

AU Sugiyama, Shin; Haque, Wasim; Diakur, James

CS Faculty of Pharmacy & Pharmaceutical Sciences, University of Alberta,

V. Balasubramanian

Edmonton, AB, T6G 2N8, Can.
SO Org. Lett. (2000), 2(22), 3489-3491
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
RE.CNT 23
RE
(3) Dess, D; Synthesis 1981, P883 CAPLUS
(4) Garegg, P; Carbohydr Res 1981, V93, PC10 CAPLUS
(5) Gessler, K; Proc Natl Acad Sci U S A 1999, V96, P4246 CAPLUS
(6) Hanessian, S; Carbohydr Res 1977, V53, PC13 CAPLUS
(7) Helferich, B; Liebigs Ann Chem 1949, V563, P139 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 133:351506 CASREACT
TI Aza-benzazolium-containing cyanine dyes and their use in fluorescent
biological stains
IN Haugland, Richard P.; Yue, Stephen T.
PA Molecular Probes, Inc., USA
SO PCT Int. Appl., 87 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000066664	A1	20001109	WO 2000-US11549	20000426
	W: AU, CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRAI	US 1999-131782		19990430		
	US 1999-158859		19991012		

RE.CNT 8
RE
(1) Ficken, G; JOURNAL OF THE CHEMICAL SOCIETY 1959, P3202 CAPLUS
(2) Ilford Limited; GB 870753 A 1961 CAPLUS
(3) Jenkins, P; US 3326688 A 1967 CAPLUS
(4) Molecular Probes Inc; US 5863753 A CAPLUS
(5) Molecular Probes Inc; WO 9613552 A 1996 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 133:335186 CASREACT
TI Neighboring effect of pyrazole rings: regio- and stereoselective
Wagner-Meerwein rearrangement in electrophilic addition reactions of
norbornadiene-fused pyrazoles
AU Kobayashi, Tomoshige; Uchiyama, Yosuke
CS Faculty of Science, Department of Chemistry, Shinshu University, Asahi,
Matsumoto, 390-8621, Japan
SO Perkin 1 (2000), (16), 2731-2739
CODEN: PERKF9
PB Royal Society of Chemistry

V. Balasubramanian

DT Journal
LA English
RE.CNT 25
RE

- (2) Bartlett, P; J Org Chem 1984, V49, P1880 CAPLUS
 - (3) Davis, A; J Chem Soc, Chem Commun 1980, P639 CAPLUS
 - (4) Dudley, T; J Org Chem 1999, V64, P1247 CAPLUS
 - (6) Ermolaeva, V; Zh Org Khim 1981, V17, P1554 CAPLUS
 - (7) Kobayashi, T; Bull Chem Soc Jpn 1998, V71, P1443 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 133:296524 CASREACT
TI Synthesis of racemic chiral-at-metal complexes of the Group 4 metals
AU Alcock, N. W.; Clase, H. J.; Duncalf, D. J.; Hart, S. L.; McCamley, A.;
McCormack, P. J.; Taylor, P. C.
CS Department of Chemistry, University of Warwick, Coventry, CV4 7AL, UK
SO J. Organomet. Chem. (2000), 605(1), 45-54
CODEN: JORCAI; ISSN: 0022-328X
PB Elsevier Science S.A.
DT Journal
LA English
RE.CNT 23
RE

- (1) Abel, E; J Chem Soc Dalton Trans 1973, P1706 CAPLUS
 - (2) Brintzinger, H; Angew Chem Int Ed Engl 1995, V34, P1143 CAPLUS
 - (3) Bristow, G; J Chem Soc Dalton Trans 1984, P399 CAPLUS
 - (5) Couturier, S; J Organomet Chem 1978, V157, PC61 CAPLUS
 - (6) Couturier, S; J Organomet Chem 1980, V195, P291 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 133:267053 CASREACT
TI A Convenient Preparation of Glycosyl Chlorides from Aryl/Alkyl
Thioglycosides
AU Sugiyama, Shin; Diakur, James M.
CS Faculty of Pharmacy & Pharmaceutical Sciences, University of Alberta,
Edmonton, AB, T6G 2N8, Can.
SO Org. Lett. (2000), 2(17), 2713-2715
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
RE.CNT 32
RE

- (1) Bonner, W; J Am Chem Soc 1948, V70, P3491 CAPLUS
 - (2) Cao, S; J Carbohydr Chem 1998, V17, P609 CAPLUS
 - (3) Crich, D; Chem Commun 1998, P2763 CAPLUS
 - (4) Fugedi, P; Glycoconjugate J 1987, V4, P97 CAPLUS
 - (5) Garcia, B; J Am Chem Soc 1997, V119, P7597 CAPLUS
- ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 199 CASREACT COPYRIGHT 2001 ACS

V. Balasubramanian

AN 133:252401 CASREACT
TI Synthesis and structure-activity relationship studies of conformationally restricted analogs of 2-chloro-4-trifluoromethylpyrimidine-5-[N-(3',5'-bis(trifluoromethyl)phenyl)]carboxamide
AU Palanki, Moorthy S. S.; Erdman, Paul E.; Goldman, Mark E.; Suto, Carla; Suto, Mark J.
CS Departments of Medicinal Chemistry, Signal Pharmaceuticals, Inc., San Diego, CA, 92121, USA
SO Med. Chem. Res. (2000), 10(1), 19-29
CODEN: MCREEB; ISSN: 1054-2523
PB Birkhaeuser Boston
DT Journal
LA English
RE.CNT 14
RE
(1) Arukwe, J; Acta Chemica Scandinavica 1986, VB40, P764 CAPLUS
(2) Font, J; Anales de quimica 1983, V79, P149 CAPLUS
(4) Lewis, A; Emerging Drugs: The prospect for Improved Medicines 1996, P31 CAPLUS
(5) Manning, A; Drug Discovery Today 1996, V1, P151 CAPLUS
(6) Manning, A; Exp Opin Invest Drugs 1997, V6, P555 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 133:237952 CASREACT
TI Dimethyl acetylsuccinate as a versatile synthon in heterocyclic chemistry - a facile synthesis of heterocyclic acetic acid derivatives
AU Craig, G. Wayne; Eberle, Martin; Lamberth, Clemens; Vettiger, Thomas
CS Research Department, Novartis Crop Protection AG, Basel, Switz.
SO J. Prakt. Chem. (Weinheim, Ger.) (2000), 342(5), 504-507
CODEN: JPCHF4; ISSN: 1436-9966
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
RE.CNT 29
RE
(1) Beccalli, E; J Org Chem 1987, V52, P1666 CAPLUS
(2) Bessard, Y; Tetrahedron 1999, V55, P405 CAPLUS
(3) Bobarevic, B; Folia Med Fac Med Univ Saraeviensis 1984, V19, P77 CAPLUS
(4) Bougrin, K; Tetrahedron Lett 1994, V35, P8373 CAPLUS
(5) Brown, D; Aust J Chem 1977, V30, P621 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 132:334370 CASREACT
TI Lewis Acid-Directed Cyclocondensation of Piperidone Enol Ethers with 2-Methoxy-4-(N-phenylsulfonyl)-1,4-benzoquinoneimine: A New Regioselective Synthesis of Oxygenated Carbolines
AU Engler, Thomas A.; Wanner, Jutta
CS Department of Chemistry, University of Kansas, Lawrence, KS, 66045, USA
SO J. Org. Chem. (2000), 65(8), 2444-2457
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society

V. Balasubramanian

DT Journal

LA English

RE.CNT 91

RE

- (1) Abou-Gharbia, M; J Med Chem 1987, V30, P1100 CAPLUS
- (2) Abou-Gharbia, M; J Med Chem 1987, V30, P1818 CAPLUS
- (3) Adams, R; Bull Chim Soc Fr 1958, P23 CAPLUS
- (4) Audia, J; J Med Chem 1996, V39, P2773 CAPLUS
- (5) Bachand, B; Organometallics 1991, V10, P2015 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 132:208023 CASREACT

TI Template-directed intramolecular C-glycosidation. Cation-mediated synthesis of keto-oxetanes from thioglycosides

AU Craig, Donald; Munasinghe, V. Ranjit N.; Tierney, Jason P.; White, Andrew J. P.; Williams, David J.; Williamson, Christopher

CS Department of Chemistry, Imperial College of Science, Technology and Medicine, London, SW7 2AY, UK

SO Tetrahedron (1999), 55(52), 15025-15044

CODEN: TETRAB; ISSN: 0040-4020

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 17

RE

- (1) Brown, D; Tetrahedron 1991, V47, P1329 CAPLUS
- (2) Burke, S; Tetrahedron Lett 1991, V32, P3957 CAPLUS
- (3) Cox, P; J Chem Soc Perkin Trans 1 1990, P3151 CAPLUS
- (4) Craig, D; J Chem Soc, Chem Commun 1993, P901 CAPLUS
- (5) Craig, D; Tetrahedron Lett 1992, V33, P663 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 132:151777 CASREACT

TI Synthesis and reactivity of 1,2,4-triazolo[1,5-c]quinazolines

AU Pfeiffer, Wolf-Diethard; Hetzheim, Annemarie; Pazdera, Pavel; Bodtke, Anja; Mucke, Jana

CS Institut fur Chemie und Biochemie, Ernst-Moritz-Arndt Universitat Greifswald, Greifswald, D-17487, Germany

SO J. Heterocycl. Chem. (1999), 36(5), 1327-1336

CODEN: JHTCAD; ISSN: 0022-152X

PB HeteroCorporation

DT Journal

LA English

RE.CNT 30

RE

- (1) Ammar, Y; Orient J Chem 1990, V6, P165 CAPLUS
- (2) Cherbuliez, E; Helv Chim Acta 1967, V50, P2563 CAPLUS
- (3) Cianci, C; Antiviral Chem Chemother 1996, V7, P353 CAPLUS
- (4) Cockerill, G; WO 9703069 1997 CAPLUS
- (5) Francis, J; J Med Chem 1991, V34, P281 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

Applicants
✓

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L4 ANSWER 13 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 132:78575 CASREACT
TI Procedure for the production of 2-amino-4-chloro-1,3,5-triazines
IN Zindel, Juergen; Hollander, Jens; Minn, Klemens; Willms, Lothar
PA Hoechst Schering Agrevo G.m.b.H., Germany
SO Ger. Offen., 20 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19830902	A1	20000113	DE 1998-19830902	19980710
	WO 2000002868	A1	20000120	WO 1999-EP4581	19990702
	W:		AE, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	AU 9949048	A1	20000201	AU 1999-49048	19990702
	BR 9911975	A	20010327	BR 1999-11975	19990702
	EP 1097146	A1	20010509	EP 1999-932785	19990702
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI		
PRAI	DE 1998-19830902		19980710		
	WO 1999-EP4581		19990702		
OS	MARPAT 132:78575				

L4 ANSWER 14 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 131:351272 CASREACT
TI A facile synthetic approach to imidazolidinone biocides
AU Elrod, D. B.; Worley, S. D.
CS Department of Chemistry, Auburn University, Auburn, AL, 36849, USA
SO Ind. Eng. Chem. Res. (1999), 38(11), 4144-4149
CODEN: IECRED; ISSN: 0888-5885
PB American Chemical Society
DT Journal
LA English
RE.CNT 10
RE
(2) Asinger, F; Monatsh Chem 1967, V98, P1843 CAPLUS
(3) Asinger, F; Monatsh Chem 1967, V98, P338 CAPLUS
(5) Christian, J; J Org Chem 1957, V22, P396 CAPLUS
(9) Worley, S; CRC Crit Rev Environ Control 1988, V18, P133 CAPLUS
(10) Worley, S; Trends Polym Sci 1996, V4, P364 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 131:129975 CASREACT
TI 1,3,5-Triazine-2,4,6-trisulfenyl trichloride. Synthesis, properties, and

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reactions

AU Tripolt, Robert; Schmuck, Siegfried; Nachbaur, Edgar
CS Institut Anorganische Chemie, Karl-Franzens-Univ., Graz, A-8010, Austria
SO ~~Z. Naturforsch., B: Chem. Sci. (1999), 54(5), 609-616~~

CODEN: ZNBSEN; ISSN: 0932-0776

PB Verlag der Zeitschrift fuer Naturforschung

DT Journal

LA German

RE.CNT 29

RE

- (1) Angus, A; J Chem Soc 1958, P774 CAPLUS
(2) Bacon, R; J Chem Soc 1960, P318 CAPLUS
(3) Berenbaum, M; US 3128271 1964 CAPLUS
(4) Block, E; J Am Chem Soc 1972, V94, P642 CAPLUS
(5) Davis, F; J Am Chem Soc 1980, V102, P7967 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 16 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 131:87801 CASREACT

TI Preparation and fungitoxicity of some dichloro-8-quinolinols

AU Gershon, Herman; Clarke, Donald D.; Gershon, Muriel

CS Department Chemistry, Fordham Univ., New York, NY, 10458, USA

SO Monatsh. Chem. (1999), 130(5), 653-659

CODEN: MOCMB7; ISSN: 0026-9247

PB Springer-Verlag Wien

DT Journal

LA English

RE.CNT 13

RE

- (2) Gershon, H; Can J Microbiol 1981, V27, P612 CAPLUS
(3) Gershon, H; Can J Microbiol 1985, V31, P707 CAPLUS
(4) Gershon, H; J Pharm Sci 1989, V78, P975 CAPLUS
(5) Gershon, H; J Pharm Sci 1991, V80, P542 CAPLUS
(6) Gershon, H; Monatsh Chem 1991, V122, P935 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 17 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 130:311755 CASREACT

TI Utilities of 4-(4'-Benzylphenyl)-6-arylpyrimidine-2-thiones for the synthesis of biologically active condensed and non-condensed heterocycles

AU Amine, M. S.

CS Chemistry Department, Faculty of Science, Zagazig University, Benha, Egypt

SO Egypt. J. Chem. (1998), 41(1-6), 267-276

CODEN: EGJCA3; ISSN: 0367-0422

PB National Information and Documentation Centre

DT Journal

LA English

RE.CNT 18

RE

- (1) Albright, J; J Med Chem 1981, V24, P592 CAPLUS
(2) Anon; 1977 CAPLUS
(3) Anon; 1980 CAPLUS
(4) Anon; 1982 CAPLUS

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(8) El-Hashash, M; J Serb Chem Soc 1992, V57(9), P563 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 18 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 130:153785 CASREACT
TI Resolution of cycloplatinated ferrocenylketimines
AU Wu, Yang-Jie; Ding, Li; Wang, Wen-Ling; Du, Chen-Xia
CS Department of Chemistry, Zhengzhou University, Zhengzhou, 450052, Peop.
Rep. China
SO Tetrahedron: Asymmetry (1998), 9(22), 4035-4041
CODEN: TASYE3; ISSN: 0957-4166
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 10
RE
(1) Hamilton, W; Acta Cryst 1965, V18, P502 CAPLUS
(2) Komatsu, T; Bull Chem Soc Jpn 1981, V54, P186 CAPLUS
(3) Lopez, C; Tetrahedron:Asymmetry 1996, V7, P2527 CAPLUS
(6) Sokolov, V; J Organomet Chem 1979, V182, P537 CAPLUS
(9) Wu, Y; J Organomet Chem 1997, V535, P49 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 130:153779 CASREACT
TI Insertion of Elemental Sulfur and SO2 into the Metal-Hydride and
Metal-Carbon Bonds of Platinum Compounds
AU Morton, Michael S.; Lachicotte, Rene J.; Vicic, David A.; Jones, William
D.
CS Department of Chemistry, University of Rochester, Rochester, NY, 14627,
USA
SO Organometallics (1999), 18(2), 227-234
CODEN: ORGND7; ISSN: 0276-7333
PB American Chemical Society
DT Journal
LA English
RE.CNT 30
RE
(1) Abel, E; Polyhedron 1987, V6, P1261 CAPLUS
(2) Arndtsen, B; Acc Chem Res 1995, V28, P154 CAPLUS
(3) Bancroft, D; Inorg Chem 1986, V25, P763 CAPLUS
(5) Bird, P; Can J Chem 1982, V60, P2075 CAPLUS
(7) Briant, C; J Organomet Chem 1980, V202 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 20 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 129:343422 CASREACT
TI Preparation of 2-halogeno-5-cyanopyridines and their intermediate
dicyanothiobispyridine
IN Hamazaki, Kakashi; Asanuma, Itsuo; Inoue, Shinichi; Shiono, Manzo
PA Kuraray Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

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DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 10287653	A2	19981027	JP 1997-89180	19970408
OS	MARPAT 129:343422				

L4 ANSWER 21 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 129:330673 CASREACT
TI Stereoselective synthesis of cis-fused chlorinated bicyclic ethers via
CAN-mediated ring-opening of cyclopropyl sulfides
AU Takemoto, Yoshiji; Ibuka, Toshiro
CS Graduate School Pharmaceutical Sciences, Kyoto University, Sakyo-ku,
Kyoto, 606-8501, Japan
SO Tetrahedron Lett. (1998), 39(41), 7545-7548
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English

L4 ANSWER 22 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 129:202863 CASREACT
TI Preparation of 2-chloro-4-aminomethylpyridines
IN Asanuma, Goro; Inoue, Shinichi
PA Kuraray Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 10231288	A2	19980902	JP 1997-37521	19970221
OS	MARPAT 129:202863				

L4 ANSWER 23 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 129:136162 CASREACT
TI Preparation of thiazole derivatives.
IN Pitterna, Thomas; Maienfisch, Peter; Wadsworth, David John; Gsell,
Laurenz; Rapold, Thomas; Szczepanski, Henry
PA Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft
m.b.H.
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9832747	A1	19980730	WO 1998-EP297	19980120
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,				

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KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
GA, GN, ML, MR, NE, SN, TD, TG
AU 9862929 A1 19980818 AU 1998-62929 19980120
EP 958286 A1 19991124 EP 1998-906880 19980120
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, IE, FI
JP 2001508452 T2 20010626 JP 1998-531564 19980120
US 6265585 B1 20010724 US 1999-341716 19990715
PRAI CH 1997-134 19970122
WO 1998-EP297 19980120
OS MARPAT 129:136162

L4 ANSWER 24 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 129:109245 CASREACT
TI Synthesis and oxidative fragmentation of catharanthine analogs.
Comparison
to the fragmentation - coupling of catharanthine and vindoline
AU Sundberg, Richard J.; Hong, Jian; Smith, Stanton Q.; Sabat, Michal;
Tabakovic, Ibro
CS Department of Chemistry, University of Virginia, Charlottesville, VA,
22901, USA
SO Tetrahedron (1998), 54(23), 6259-6292
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier Science Ltd.
DT Journal
LA English

L4 ANSWER 25 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 129:95484 CASREACT
TI Preparation of thiazoles
IN Pitterna, Thomas; Szczepanski, Henry; Maienfisch, Peter; Huter, Ottmar
Franz; Rapold, Thomas; Senn, Marcel; Gobel, Thomas; O'Sullivan, Anthony
Cornelius; Seifert, Gottfried
PA Novartis A.-G., Switz.
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9827074	A1	19980625	WO 1997-EP7087	19971217
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,				
	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,				
	NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,				
	UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,				
	FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,				
	GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9857592	A1	19980715	AU 1998-57592	19971217

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AU 727669 B2 20001221
 EP 946531 A1 19991006 EP 1997-953841 19971217
 R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, IE, FI
 CN 1241182 A 20000112 CN 1997-180777 19971217
 BR 9714066 A 20000509 BR 1997-14066 19971217
 JP 2001506254 T2 20010515 JP 1998-527322 19971217
 ZA 9711358 A 19980708 ZA 1997-11358 19971218
 US 6121455 A 20000919 US 1999-331432 19990813
 PRAI CH 1996-3124 19961219
 WO 1997-EP7087 19971217
 OS MARPAT 129:95484

L4 ANSWER 26 OF 199 CASREACT COPYRIGHT 2001 ACS
 AN 129:54322 CASREACT
 TI An improved large-scale preparation of benzimidazole-2-sulfonic acids and 2-chlorobenzimidazoles
 AU Hinkley, Jack M.; Porcari, Anthony R.; Walker, John A., II; Swayze, Eric E.; Townsend, Leroy B.
 CS Department of Medicinal Chemistry, College of Pharmacy, University of Michigan, Ann Arbor, MI, 48109-1065, USA
 SO Synth. Commun. (1998), 28(9), 1703-1712
 CODEN: SYNCAV; ISSN: 0039-7911
 PB Marcel Dekker, Inc.
 DT Journal
 LA English

L4 ANSWER 27 OF 199 CASREACT COPYRIGHT 2001 ACS
 AN 128:270544 CASREACT
 TI Preparation of 5-cyano-2-sulfonylpyridines and 2-chloro-5-cyanopyridine
 IN Hamasaki, Takashi; Kuwayama, Tomoya; Asanuma, Itsuro; Shiono, Manzou
 PA Kuraray Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10087626	A2	19980407	JP 1996-238958	19960910
OS	MARPAT 128:270544				

L4 ANSWER 28 OF 199 CASREACT COPYRIGHT 2001 ACS
 AN 128:270543 CASREACT
 TI Preparation of 2-chloro-5-(chloromethyl)pyridine
 IN Terajima, Shiro; Kajiyashiki, Tsuyoshi; Hashimoto, Masaru
 PA Sagami Chemical Research Center, Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

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PI JP 10087624 A2 19980407 JP 1996-241838 19960912
OS MARPAT 128:270543

L4 ANSWER 29 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 128:230248 CASREACT
TI Process for preparing halopyridine derivatives
IN Kuwayama, Tomoya; Inoue, Shinichi; Asanuma, Goro; Shiono, Manzo
PA Kuraray Co., Ltd., Japan; Kuwayama, Tomoya; Inoue, Shinichi; Asanuma, Goro; Shiono, Manzo
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9811071	A1	19980319	WO 1997-JP3144	19970908
	W: US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE	EP 882713	A1	19981209	EP 1997-939206	19970908
	R: CH, DE, FR, GB, LI, IE				
	JP 10139760	A2	19980526	JP 1997-243965	19970909
	US 6118005	A	20000912	US 1998-68115	19980506
PRAI	JP 1996-238957		19960910		
	WO 1997-JP3144		19970908		
OS	MARPAT 128:230248				

L4 ANSWER 30 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 128:75240 CASREACT
TI Improved methods for the synthesis of adenines and aminopurines having cyclic nucleotide phosphodiesterase inhibitory activity
IN Chasin, Mark; Hofer, Peter; Cavalla, David
PA Euro-Celtique, S.A., Luxembourg; Chasin, Mark; Hofer, Peter; Cavalla, David
SO PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9746561	A1	19971211	WO 1997-US10960	19970606
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
✓	US 5864037	A	19990126	US 1996-659767	19960606
	CA 2257807	AA	19971211	CA 1997-2257807	19970606
	AU 9734100	A1	19980105	AU 1997-34100	19970606

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AU 735198 B2 20010705
EP 912575 A1 19990506 EP 1997-930217 19970606
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI
JP 2000507599 T2 20000620 JP 1998-500943 19970606
PRAI US 1996-659767 19960606
WO 1997-US10960 19970606
OS MARPAT 128:75240

L4 ANSWER 31 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 127:247957 CASREACT
TI Preparation of novel derivatives of 3-bromo and 3,3-dibromo-4-oxo-1-
azetidines for their use in antibacterial or antitumor therapy
IN Lukic, Irena
PA Pliva Farmaceutska, Kemijska, Prehrambena I Kozmeticka Industrija
Dionicko
Drustvo, Croatia
SO Eur. Pat. Appl., 19 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 791580	A2	19970827	EP 1997-101644	19970203
	EP 791580	A3	19970903		
	R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, PT, SE				
	RO 114127	B1	19990129	RO 1994-1153	19940707
	CA 2196909	AA	19970807	CA 1997-2196909	19970205
	CN 1164531	A	19971112	CN 1997-103186	19970205
	JP 09227511	A2	19970902	JP 1997-23594	19970206
	US 5843939	A	19981201	US 1997-796708	19970206
PRAI	HR 1996-61		19960206		
	HR 1997-36		19970120		
OS	MARPAT 127:247957				

L4 ANSWER 32 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 127:121721 CASREACT
TI Preparation of 2-chloro-5-chloromethylthiazole
IN O'sullivan, Anthony Cornelius; Gsell, Laurenz; Naef, Rufolf; Senn,
Marcel;
Pitterna, Thomas; Wadsworth, David John
PA Novartis Ag, Switz.; O'sullivan, Anthony Cornelius; Gsell, Laurenz; Naef,
Rufolf; Senn, Marcel; Pitterna, Thomas; Wadsworth, David John
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9723469	A1	19970703	WO 1996-EP5564	19961212
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG,				

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SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ,
 TM RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,
 MR, NE, SN, TD, TG
 AU 9711935 A1 19970717 AU 1997-11935 19961212
 EP 873327 A1 19981028 EP 1996-943098 19961212
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE,
 FI JP 2000502661 T2 20000307 JP 1997-523266 19961212
 ZA 9610771 A 19970630 ZA 1996-10771 19961220
 PRAI CH 1995-3636 19951221
 WO 1996-EP5564 19961212

L4 ANSWER 33 OF 199 CASREACT COPYRIGHT 2001 ACS
 AN 127:121718 CASREACT
 TI Preparation of 2-chloro-5-chloromethylthiazole.
 IN Kraatz, Udo
 PA Bayer A.-G., Germany
 SO Eur. Pat. Appl., 4 pp.
 CODEN: EPXXDW

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 780384	A2	19970625	EP 1996-119776	19961210
	EP 780384	A3	19970709		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
	DE 19548417	A1	19970626	DE 1995-19548417	19951222
	US 5679796	A	19971021	US 1996-764952	19961213
	JP 09176140	A2	19970708	JP 1996-353342	19961217
	CN 1157284	A	19970820	CN 1996-117934	19961220
PRAI	DE 1995-19548417		19951222		

L4 ANSWER 34 OF 199 CASREACT COPYRIGHT 2001 ACS
 AN 127:108926 CASREACT
 TI Preparation of 2-chlorothiazoles
 IN Szczepanski, Henry; Gobel, Thomas; Huter, Ottmar Franz; O'Sullivan, Anthony Cornelius; Senn, Marcel; Rapold, Thomas; Maienfisch, Peter; Pitterna, Thomas
 PA Novartis Ag, Switz.; Szczepanski, Henry; Gobel, Thomas; Huter, Ottmar Franz; O'Sullivan, Anthony Cornelius; Senn, Marcel; Rapold, Thomas; Maienfisch, Peter; Pitterna, Thomas
 SO PCT Int. Appl., 116 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9720829	A1	19970612	WO 1996-IB1329	19961202
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG,				

V. Balasubramanian

SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,
MR, NE, SN, TD, TG
ZA 9610046 A 19970710 ZA 1996-10046 19961129
AU 9676368 A1 19970627 AU 1996-76368 19961202
EP 873326 A1 19981028 EP 1996-939236 19961202
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, IE, FI
CN 1203593 A 19981230 CN 1996-198745 19961202
BR 9611666 A 19990223 BR 1996-11666 19961202
JP 2000501413 T2 20000208 JP 1997-521116 19961202
US 6211381 B1 20010403 US 1998-77569 19980601
PRAI CH 1995-3412 19951201
WO 1996-IB1329 19961202
OS MARPAT 127:108926

L4 ANSWER 35 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 126:343539 CASREACT
TI Condensed thiazoles. Part 1. Synthesis of 5,7-disubstituted
thiazolo[4,5-d]pyrimidines as possible anti-HIV, anticancer, and
antimicrobial agents
AU Habib, N. S.; Rida, S. M.; Badawey, E. A. M.; Fahmy, H. T. Y.
CS Faculty Pharmacy, University Alexandria, Alexandria, Egypt
SO Monatsh. Chem. (1996), 127(11), 1203-1207
CODEN: MOCMB7; ISSN: 0026-9247
PB Springer
DT Journal
LA English

L4 ANSWER 36 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 125:275662 CASREACT
TI Preparation of 2-chloropyridine compounds by free radical chlorination
IN Terashima, Shiro; Kato, Tadashi; Kajiyashiki, Tsuyoshi
PA Sagami Chemical Research Center, Japan
SO PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9626188	A1	19960829	WO 1996-JP383	19960221
	W: CA, CN, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 09118666	A2	19970506	JP 1996-33216	19960221
PRAI	JP 1995-33208		19950222		
	JP 1995-33209		19950222		
	JP 1995-196603		19950801		
	JP 1995-196604		19950801		
	JP 1995-216067		19950824		
	JP 1995-216068		19950824		
OS	MARPAT 125:275662				

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L4 ANSWER 37 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 125:195239 CASREACT
TI Studies on the reactivity of cephalosporins. Ozonolysis of
.DELTA.2-cephem
derivatives as a new entry to highly functionalized 2-oxoazetidine and
2-oxoazetidine-4-sulfenic acid derivatives
AU Botta, Maurizio; Crucianelli, Marcello; Saladino, Raffaele; Mozzetti,
Cristina; Nicoletti, Rosario
CS Dipartimento Farmaco Chimico Tecnologico, Univ. de Siena, Siena, 53100,
Italy
SO Tetrahedron (1996), 52(30), 10205-10214
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English

L4 ANSWER 38 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 124:289222 CASREACT
TI Azinyl sulfides. XXXVI. Oligomers with four 3,4-quinolinediyl units and
.alpha.,.omega.-bis(4-chloro-3-quinolinylthio)alkanes
AU Boryczka, Stanislaw; Rudnik, Magdalena; Maslankiewicz, Andrzej
CS Chair of Organic Chemistry, Silesian School of Medicine, Sosnowiec,
41-200, Pol.
SO J. Heterocycl. Chem. (1996), 33(1), 145-9
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English

L4 ANSWER 39 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 124:145678 CASREACT
TI Novel synthetic approach to carbapenems utilizing aza-Cope Mannich
cyclization
AU Sakurai, Osamu; Horikawa, Hiroshi; Iwasaki, Tameo
CS Lead Generation Research Laboratory, Tanabe Seiyaku Co., Ltd., Osaka,
532,
Japan
SO J. Chem. Soc., Chem. Commun. (1995), (24), 2527-8
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English

L4 ANSWER 40 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 122:133134 CASREACT
TI Synthetic routes to the carcinogen IQ and related 3H-imidazo[4,5-
f]quinolines
AU Ronne, Erik; Grivas, Spiros; Olsson, Kjell
CS Dep. Chem., Swedish Univ. Agric. Sci., Uppsala, S-750 07, Swed.
SO Acta Chem. Scand. (1994), 48(10), 823-30
CODEN: ACHSE7; ISSN: 0904-213X
DT Journal
LA English

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L4 ANSWER 41 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 122:106227 CASREACT
TI Total synthesis of a frog poison, (.+-.)-epibatidine, a potent non-opioid analgesic
AU Okabe, Kazuaki; Natsume, Mitsutaka
CS Res. Foundation Itsuu Lab., Tokyo, 158, Japan
SO Chem. Pharm. Bull. (1994), 42(7), 1432-6
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 42 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 122:10046 CASREACT
TI Process for the preparation of 2-chlorobenzothiazoles and 2-chlorobenzoxazoles
IN Kaess, Volker
PA Bayer A.-G., Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 4313748	A1	19941103	DE 1993-4313748	19930427
	EP 626379	A2	19941130	EP 1994-105776	19940414
	EP 626379	B1	20010321		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
	ES 2156131	T3	20010616	ES 1994-105776	19940414
	US 5502201	A	19960326	US 1994-230177	19940420
	JP 06321923	A2	19941122	JP 1994-105000	19940421
PRAI	DE 1993-4313748	19930427			
	DE 1993-4313750	19930427			
OS	MARPAT 122:10046				

L4 ANSWER 43 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 122:10045 CASREACT
TI Process for the preparation of 2-chlorobenzothiazoles or 2-chlorobenzoxazoles from disulfides
IN Kaess, Volker
PA Bayer A.-G., Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 4313749	A1	19941103	DE 1993-4313749	19930427
OS	MARPAT 122:10045				

L4 ANSWER 44 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 121:179941 CASREACT

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TI Synthesis of epibatidine
AU Sestan, Kazimir; Melenski, Edward; Jirkovsky, Ivo
CS Wyeth-Ayerst Res., Princeton, NJ, 08540, USA
SO Tetrahedron Lett. (1994), 35(30), 5417-20
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L4 ANSWER 45 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 121:57486 CASREACT
TI Reactions of 4-mercaptopyrimidine derivatives with 2-[(2-aminoethyl)amino]ethanol. Synthesis of the novel pyrimidotriazocine system
AU Dlugosz, Anna
CS Dep. Org. Chem., Sch. Med., Wroclaw, 50137, Pol.
SO Acta Pol. Pharm. (1993), 50(2-3), 253-7
CODEN: APPHAX; ISSN: 0001-6837
DT Journal
LA Polish

L4 ANSWER 46 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 121:57279 CASREACT
TI A new reaction of .alpha.-chloro-.alpha.-chlorosulphenyl ketones: facile syntheses of 3,3-dichloro- and 3-chlorochroman-4-ones and thiochroman-4-ones
AU Gabbutt, Christopher D.; Hepworth, John D.; Heron, B. Mark
CS Dep. Chem., Univ. Cent. Lancashire, Preston, PR1 2HE, UK
SO Tetrahedron (1994), 50(17), 5245-54
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English

L4 ANSWER 47 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 121:35520 CASREACT
TI Cyclization of products of cyanomethylenetriphenylphosphorane addition to acyl isothiocyanates. Convenient approach to the synthesis of pyrimidine functional derivatives
AU Smolii, O. B.; Panchishin, S. Ya.; Drach, B. S.
CS Inst. Bioorg. Khim. Neftekhim., Kiev, Russia
SO Zh. Obshch. Khim. (1993), 63(9), 1990-4
CODEN: ZOKHA4; ISSN: 0044-460X
DT Journal
LA Russian

L4 ANSWER 48 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 119:203354 CASREACT
TI Synthesis and chemical transformations of 1,3-diaryltetrazolium salts. Preparation of mercury(II) and palladium(II) complexes of 1,3-diaryltetrazolylene and reactions of 5-substituted 1,3-diphenyltetrazolium salts with nucleophiles
AU Araki, Shuki; Wanibe, Yasumi; Uno, Fujio; Morikawa, Akinao; Yamamoto, Kaori; Chiba, Kyoko; Butsugan, Yasuo

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CS Dep. Appl. Chem., Nagoya Inst. Technol., Nagoya, 466, Japan
SO Chem. Ber. (1993), 126(5), 1149-55
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal
LA English

L4 ANSWER 49 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 119:72899 CASREACT
TI Industrial synthesis in the ellipticine series. II. Elaboration of a new method to access 6H-pyrido[4,3-b]carbazoles and analogs. B. Obtainment of tetracyclic structures
AU Dormoy, Jean Robert; Heymes, Alain
CS Dep. Rech. Dev. Chim., SANOFI Chim., Sisteron, 04201, Fr.
SO Tetrahedron (1993), 49(14), 2915-38
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA French

L4 ANSWER 50 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 118:254812 CASREACT
TI Reaction of (cyano)thioacetamide with arylhydrazones of .beta.-diketones: novel synthesis of 2(1H)-pyridinethiones, thieno[2,3-b]pyridines, and pyrazolo[3,4-b]pyridines
AU Elgemeie, Galal Eldin Hamza; El-Zanate, Ali Mahmoud; Mansour, Abdel Kader E.
CS Chem. Dep., Fac. Sci., Bani Suef, Egypt
SO Bull. Chem. Soc. Jpn. (1993), 66(2), 555-61
CODEN: BCSJA8; ISSN: 0009-2673
DT Journal
LA English

L4 ANSWER 51 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 118:22454 CASREACT
TI Total synthesis of montanine-type Amaryllidaceae alkaloids, which possess a 5,11-methanomorphanthridine ring system, through cyclization with sodium bis(2-methoxyethoxy)aluminum hydride (SMEAH): the first stereoselective total syntheses of (.+-.)-montanine, (.+-.)-coccinine, (.+-.)-O-acetylmontanine, (.+-.)-pancracine, and (.+-.)-brunsvigine
AU Ishizaki, Miyuki; Hoshino, Osamu; Iitaka, Yoichi
CS Fac. Pharm. Sci., Sci. Univ. Tokyo, Tokyo, 162, Japan
SO J. Org. Chem. (1992), 57(26), 7285-95
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 52 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 117:251359 CASREACT
TI Preparation of 2-chloro-5-methylthio-1,3,4-thiadiazole from 2-mercapto-5-methylthio-1,3,4-thiadiazole and phosgene
IN Diehr, Hans Joachim; Hammen, Guenter
PA Bayer A.-G., Germany

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SO Ger. Offen., 4 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4109673	A1	19920924	DE 1991-4109673	19910323
	EP 505818	A1	19920930	EP 1992-104041	19920310
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
	JP 05132474	A2	19930528	JP 1992-91544	19920318
PRAI	DE 1991-4109673		19910323		

L4 ANSWER 53 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 117:48521 CASREACT

TI The reaction of 4-mercaptopyrimidines with 2-(2'-aminoethylamino)ethanol: synthesis of new ring system pyrimidotriazocine

AU Dlugosz, A.

CS Fac. Pharm., Med. Univ., Wroclaw, Pol.

SO Pharmazie (1992), 47(3), 186-8

CODEN: PHARAT; ISSN: 0031-7144

DT Journal

LA English

L4 ANSWER 54 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 116:106558 CASREACT

TI A first total synthesis of montanine-type amaryllidaceae alkaloids, (.+-.)-coccinine, (.+-.)-montanine, and (.+-.)-pancracine

AU Ishizaki, Miyuki; Hoshino, Osamu; Iitaka, Yoichi

CS Fac. Pharm. Sci., Sci. Univ. Tokyo, Tokyo, 162, Japan

SO Tetrahedron Lett. (1991), 32(48), 7079-82

CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English

L4 ANSWER 55 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 114:228864 CASREACT

TI Synthesis and biological activity of some 4-substituted pyrimidines and fused pyrimidines

AU El-Bahaie, S.; El-Deeb, A.; Assy, M. C.

CS Fac. Sci., Zagazig Univ., Zagazig, Egypt

SO Pharmazie (1991), 46(1), 26-8

CODEN: PHARAT; ISSN: 0031-7144

DT Journal

LA English

L4 ANSWER 56 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 113:191285 CASREACT

TI Synthesis of pyrimido[4,5-d]pyrimidine, thieno[2,3-d]pyrimidines and 4-substituted pyrimidines

AU El-Bahaie, S.; Assy, M. G.; Heikal, A. F.

CS Fac. Sci., Zagazig Univ., Zagazig, Egypt

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SO J. Indian Chem. Soc. (1990), 67(4), 327-9
CODEN: JICSAH; ISSN: 0019-4522
DT Journal
LA English

L4 ANSWER 57 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 113:152359 CASREACT
TI Novel 4-substituted 2-piperazinylquinazolines as potent anticonvulsive
and antihypoxic agents
AU Hori, Manabu; Iemura, Ryuichi; Hara, Hideaki; Ozaki, Akio; Sukamoto,
Takayuki; Ohtaka, Hiroshi
CS Pharm. Res. Cent., Kanebo Ltd., Osaka, 534, Japan
SO Chem. Pharm. Bull. (1990), 38(5), 1286-91
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 58 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 113:115229 CASREACT
TI Novel 4-phenoxy-2-(1-piperazinyl)quinazolines as potent anticonvulsive
and antihypoxic agents
AU Hori, Manabu; Iemura, Ryuichi; Hara, Hideaki; Ozaki, Akio; Sukamoto,
Takayuki; Ohtaka, Hiroshi
CS Pharm. Res. Cent., Kanebo Ltd., Osaka, 534, Japan
SO Chem. Pharm. Bull. (1990), 38(3), 681-7
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 59 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 113:23839 CASREACT
TI The chemistry of pyrimidinethiols. III. The synthesis of some
substituted pyrimidinethiols and some thiazolo[5,4-d]pyrimidines
AU Harnden, Michael R.; Hurst, Derek T.
CS Biosci. Res. Cent., Beecham Pharm. Res. Div., Great Burgh/Epsom/Surrey,
KT18 5XQ, UK
SO Aust. J. Chem. (1990), 43(1), 55-62
CODEN: AJCHAS; ISSN: 0004-9425
DT Journal
LA English

L4 ANSWER 60 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 113:23838 CASREACT
TI The synthesis and chlorination of some pyrimidin-4-ols having 5-nitrogen
functionality
AU Harnden, Michael R.; Hurst, Derek T.
CS Biosci. Res. Cent., Beecham Pharm. Res. Div., Great Burgh/Epsom/Surrey,
KT18 5XQ, UK
SO Aust. J. Chem. (1990), 43(1), 47-53
CODEN: AJCHAS; ISSN: 0004-9425

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DT Journal
LA English

L4 ANSWER 61 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 113:6267 CASREACT
TI Bioisosteric transformation of H1-antihistaminic benzimidazole derivatives
AU Iemura, Ryuichi; Hori, Manabu; Saito, Tadayuki; Ohtaka, Hiroshi
CS Pharm. Res. Cent., Kanebo Ltd., Osaka, 534, Japan
SO Chem. Pharm. Bull. (1989), 37(10), 2723-6
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 62 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:216887 CASREACT
TI A novel synthesis of pyrimidobenzodiazepines
AU Dlugosz, Anna
CS Sch. Med., Fac. Pharm., Wroclaw, 50-137, Pol.
SO Arch. Pharm. (Weinheim, Ger.) (1990), 323(1), 59-60
CODEN: ARPMAS; ISSN: 0365-6233
DT Journal
LA English

L4 ANSWER 63 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:216810 CASREACT
TI Anti-trypanosomal compounds. Part II. Novel amidinium sulfinic compounds and phosphorylated heterocycles as anti-trypanosomal agents
AU Willson, Michele; Zine, Kamel; Klaebe, Alain; Perie, Jean Jacques; Baltz, Theo
CS Groupe Chim. Org. Biol., Univ. Paul-Sabatier, Toulouse, 31062, Fr.
SO Eur. J. Med. Chem. (1989), 24(6), 623-5
CODEN: EJMCA5; ISSN: 0223-5234
DT Journal
LA English

L4 ANSWER 64 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:216510 CASREACT
TI Base-promoted ring-opening and elimination of 4-chloro- and 4-(methylthio)azetidinones
AU Rao, S. Nagaraja; O'Ferrall, R. A. More
CS Dep. Chem., Univ. Coll., Belfield/Dublin, Ire.
SO J. Org. Chem. (1990), 55(10), 3244-51
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 65 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:178920 CASREACT
TI Regioselective electrophilic additions to 2-oxygenated

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7-oxabicyclo[2.2.1]hept-5-enes: a simple entry into the
4,7-dioxatricyclo[3.2.1.0^{3,6}]octane skeleton
AU Arjona, Odon; Fernandez de la Pradilla, Roberto; Plumet, Joaquin; Viso, Alma
CS Fac. Quim., Univ. Complutense, Madrid, 28040, Spain
SO Tetrahedron (1989), 45(14), 4565-78
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English

L4 ANSWER 66 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:158624 CASREACT
TI Synthesis and reactivity of (pentamethylcyclopentadienyl)iridium
bis(thiolate) and thiolate hydride complexes
AU Klein, Darryl P.; Kloster, Grant M.; Bergman, Robert G.
CS Dep. Chem., Univ. California, Berkeley, CA, 94720, USA
SO J. Am. Chem. Soc. (1990), 112(5), 2022-4
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English

L4 ANSWER 67 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:118505 CASREACT
TI Benzimidazolyl derivatives of penicillin and cephalosporin: synthesis
and
antimicrobial activity
AU Kotovskaya, S. K.; Mokrushina, G. A.; Suetina, T. A.; Chupakhin, O. N.;
Zinchenko, E. Ya.; Lesovaya, Z. I.; Mezentsev, A. S.; Chernyshov, A. I.;
Samoilova, L. N.
CS Ural. Politekh. Inst., Sverdlovsk, USSR
SO Khim.-Farm. Zh. (1989), 23(8), 952-6
CODEN: KHFZAN; ISSN: 0023-1134
DT Journal
LA Russian

L4 ANSWER 68 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:118500 CASREACT
TI Synthesis and biological evaluation of 3-chloro-1-carbacephem compounds
AU Matsukuma, Ikuo; Yoshiye, Shigeo; Mochida, Kenichi; Hashimoto, Yukio;
Sato, Kiyoshi; Okachi, Ryo; Hirata, Tadashi
CS Tokyo Res. Lab., Kyowa Hakko Kogyo Co., Ltd., Machida, 194, Japan
SO Chem. Pharm. Bull. (1989), 37(5), 1239-44
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 69 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:98354 CASREACT
TI Potential neurotropic and antiinflammatory agents: 2-chloro-10,11-
dihydrodibenzo[b,f]thiepin-10-yl sulfides
AU Valenta, Vladimir; Vlkova, Marie; Protiva, Miroslav
CS Res. Inst. Pharm. Biochem., Prague, 130 60, Czech.

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SO Collect. Czech. Chem. Commun. (1989), 54(5), 1403-21
CODEN: CCCCCA; ISSN: 0010-0765
DT Journal
LA English

L4 ANSWER 70 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:77123 CASREACT
TI Preparation of some new derivatives of 5,6-diphenyl-1,2,4-triazine-3-hydrazines and their biological evaluation
AU Misra, V. S.; Sen, Srirupa; Sen Gupta, A. K.; Abid Ali Khan, M. M.; Verma, H. N.
CS Chem. Dep., Lucknow Univ., Lucknow, 226 007, India
SO J. Indian Chem. Soc. (1989), 66(5), 322-4
CODEN: JICSAH; ISSN: 0019-4522
DT Journal
LA English

L4 ANSWER 71 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:55767 CASREACT
TI Studies on antiallergy agents. III. Synthesis of 2-anilino-1,6-dihydro-6-oxo-5-pyrimidinecarboxylic acids and related compounds
AU Ozeki, Kohji; Ichikawa, Teru; Takehara, Hiroyuki; Tanimura, Kenjiro; Sato, Makoto; Yaginuma, Hideya
CS Res. Lab., Morishita Pharm. Co., Ltd., Yasu, 520-23, Japan
SO Chem. Pharm. Bull. (1989), 37(7), 1780-7
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 72 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:36149 CASREACT
TI Synthetic routes to methylpalladium(II) and dimethylpalladium(II) chemistry and the synthesis of new nitrogen donor ligand systems
AU Byers, Peter K.; Canty, Allan J.
CS Chem. Dep., Univ. Tasmania, Hobart, 7001, Australia
SO Organometallics (1990), 9(1), 210-20
CODEN: ORGND7; ISSN: 0276-7333
DT Journal
LA English

L4 ANSWER 73 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 112:7660 CASREACT
TI Synthesis and characterization of cyclopentadienyldicarbonyliron S-bonded monothiocarboxylates, FeCp(CO)2SCOR. Crystal structure of FeCp(CO)2SCO(2-NO2C6H4)
AU El-Hinnawi, Mahmoud A.; Al-Ajlouni, Ahmad M.; AbuNasser, Jamilah S.; Powell, Anne K.; Vahrenkamp, H.
CS Dep. Chem., Yarmouk Univ., Irbid, Jordan
SO J. Organomet. Chem. (1989), 359(1), 79-86

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CODEN: JORCAI; ISSN: 0022-328X
DT Journal
LA English

L4 ANSWER 74 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 111:214405 CASREACT
TI Studies on the synthesis of the indolo[2,3-a]quinolizidine system
AU Rubiralta, Mario; Diez, Anna; Bosch, Joan; Solans, Xavier
CS Fac. Pharm., Univ. Barcelona, Barcelona, 08028, Spain
SO J. Org. Chem. (1989), 54(23), 5591-7
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 75 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 111:134072 CASREACT
TI Synthesis of 2,5'-bipyrimidines from substituted 5-cyanopyrimidines
AU Mamaev, V. P.; Mikhaleva, M. A.; Shadrina, A. I.
CS Novosib. Inst. Org. Khim., Novosibirsk, 63090, USSR
SO Khim. Geterotsikl. Soedin. (1988), (3), 371-5
CODEN: KGSSAQ; ISSN: 0453-8234
DT Journal
LA Russian

L4 ANSWER 76 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 111:115128 CASREACT
TI Azolopyrimidines and pyrimidoquinazolines from 4-chloropyrimidines
AU El-Reedy, A. M.; Ali, A. S.; Ayyad, A. O.
CS Fac. Sci., Univ. Cairo, Giza, Egypt
SO J. Heterocycl. Chem. (1989), 26(2), 313-16
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English

L4 ANSWER 77 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 111:57973 CASREACT
TI Pentamethylcyclopentadienyl(dithiocarbamato)iron complexes with 17 to 19
electrons. Preparation of Cp*Fe(IV) complexes
AU Desbois, Marie Helene; Astruc, Didier
CS Lab. Chim. Org. Organometall., Univ. Bordeaux I, Talence, 33405, Fr.
SO Angew. Chem. (1989), 101(4), 459-60
CODEN: ANCEAD; ISSN: 0044-8249
DT Journal
LA German

L4 ANSWER 78 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 111:57670 CASREACT
TI Synthesis and some reactions of 2-mercapto-3,5,7-triphenylpyrido[2,3-
d]pyrimidine-4(3H)-one
AU Hassan, Khairy M.; Youssef, Mohamed S. K.; El-Zohry, Maher F.; Abo
El-Wafa, Raga

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CS Fac. Sci., Univ. Assiut, Assiut, Egypt
SO Phosphorus Sulfur Relat. Elem. (1988), 40(3-4), 237-41
CODEN: PREEDF; ISSN: 0308-664X
DT Journal
LA English

L4 ANSWER 79 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 111:57664 CASREACT
TI Synthesis of 6,7-dimethoxypyrimido[4,5-b]indoles as potential
antihypertensive agents
AU Venugopalan, B.; Desai, P. D.; De Souza, N. J.
CS Res. Cent., Hoechst India Ltd., Bombay, 400 080, India
SO J. Heterocycl. Chem. (1988), 25(6), 1633-9
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English

L4 ANSWER 80 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 111:23649 CASREACT
TI The preparation of heterometallic molybdenum-mercury and
molybdenum-copper
complexes
AU Roll, Joachim; Werner, Helmut
CS Inst. Anorg. Chem., Univ. Wuerzburg, Wuerzburg, D-8700, Fed. Rep. Ger.
SO Inorg. Chim. Acta (1988), 147(1), 93-7
CODEN: ICHAA3; ISSN: 0020-1693
DT Journal
LA English

L4 ANSWER 81 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 110:213219 CASREACT
TI Systematic chemical synthesis and NMR spectra of methyl
.alpha.-glycosides
of isomalto-oligosaccharides and related compounds
AU Kovac, Pavol; Lerner, Laura
CS Natl. Inst. Health, Bethesda, MD, 20892, USA
SO Carbohydr. Res. (1988), 184, 87-112
CODEN: CRBRAT; ISSN: 0008-6215
DT Journal
LA English

L4 ANSWER 82 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 110:154077 CASREACT
TI The synthesis of 2-(alkylthio)- and 2-(arylthio)-3-cyanothiophenes. The
nucleophilic displacement of the alkylsulfinyl group by thiols
AU Luteijn, J. M.; Dolman, H.; Wals, H. C.
CS Synth. Dep. Crop Protect., DUPHAR Res. Lab., Weesp, 1380 AA, Neth.
SO Tetrahedron (1988), 44(18), 5921-8
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English

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L4 ANSWER 83 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 110:114515 CASREACT
TI Assignment of absolute configuration for virantmycin and synthesis of its antipode
AU Morimoto, Yoshiki; Oda, Kaoko; Shirahama, Haruhisa; Matsumoto, Takeshi; Omura, Satoshi
CS Fac. Sci., Hokkaido Univ., Sapporo, 060, Japan
SO Chem. Lett. (1988), (6), 909-12
CODEN: CMLTAG; ISSN: 0366-7022
DT Journal
LA English

L4 ANSWER 84 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 110:75435 CASREACT
TI Oxidation of thiols with 5-arylidene-1,3-dimethylbarbituric acid: application to synthesis of unsymmetrical disulfides
AU Tanaka, Kiyoshi; Chen, Xing; Yoneda, Fumio
CS Fac. Pharm. Sci., Kyoto Univ., Kyoto, 606, Japan
SO Tetrahedron (1988), 44(11), 3241-9
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English

L4 ANSWER 85 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 110:57814 CASREACT
TI Synthesis and reactivity of the first structurally characterized heterobimetallic complex containing an unsupported bridging sulfur atom
AU Kovacs, Julie A.; Bergman, Robert G.
CS Dep. Chem., Univ. California, Berkeley, CA, 94720, USA
SO J. Am. Chem. Soc. (1989), 111(3), 1131-3
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English

L4 ANSWER 86 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 110:38946 CASREACT
TI Studies on pyridazinone derivatives. XIII. Unusual displacement reaction of 5-(o-aminophenylthio)-4-chloro-2-methyl-3(2H)-pyridazinone with alkali
AU Takaya, Masahiro
CS Hamari Chem. Co., Ltd., Osaka, 533, Japan
SO Yakugaku Zasshi (1988), 108(2), 136-41
CODEN: YKKZAJ; ISSN: 0031-6903
DT Journal
LA Japanese

L4 ANSWER 87 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 109:231264 CASREACT
TI Synthesis of cyclometalated (8-methoxynaphthyl)- and [8-(dimethylamino)naphthyl]platinum compounds and their reactivity toward electrophiles. X-ray molecular structures of square-planar

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(8-methoxynaphthyl)platinum(II) chloride bis(diethyl sulfide) and bis(8-methoxynaphthyl)platinum(II) diethyl sulfide and octahedral fac-bis(8-methoxynaphthyl)methylplatinum(IV) iodide
AU Wehman, Erik; Van Koten, Gerard; Knaap, Christopher T.; Ossor, Houssain; Pfeffer, Michel; Spek, Anthony L. X
CS Anorg. Chem. Lab., Univ. Amsterdam, Amsterdam, Neth.
SO Inorg. Chem. (1988), 27(24), 4409-17
CODEN: INOCAJ; ISSN: 0020-1669
DT Journal
LA English

L4 ANSWER 88 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 109:230604 CASREACT
TI Nuclear analogs of .beta.-lactam antibiotics. Synthesis of
6,6-disubstituted acylaminopenems
AU Banville, Jacques; Lapointe, Philippe; Belleau, Bernard; Menard, Marcel X
CS Pharm. Res. Dev. Div., Bristol-Myers Co., Candiag, PQ, J5R 1J1, Can.
SO Can. J. Chem. (1988), 66(6), 1390-9
CODEN: CJCHAG; ISSN: 0008-4042
DT Journal
LA English

L4 ANSWER 89 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 109:210995 CASREACT
TI Isocytosine H2-receptor histamine antagonists. I. Oxmetidine and
related
compounds
AU Brown, Thomas H.; Blakemore, Robert C.; Durant, Graham J.; Emmett, John
C.; Ganellin, C. Robin; Parsons, Michael E.; Rawlings, D. Anthony; F
Walker, Terence F.
CS Smith Kline and French Res. Ltd., Welwyn/Hertfordshire, AL6 9AR, UK
SO Eur. J. Med. Chem. (1988), 23(1), 53-62
CODEN: EJMCA5; ISSN: 0223-5234
DT Journal
LA English

L4 ANSWER 90 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 109:37974 CASREACT
TI Rapid inversion versus stable chiral center formation. Different
behavior
of coordinated nitrogens in four- and five-coordinate platinum(II)
complexes with N,N'-disubstituted ethylenediamines
AU Fanizzi, Francesco P.; Maresca, Luciana; Natile, Giovanni; Lanfranchi, Z
Maurizio; Manotti-Lanfredi, Anna M.; Tiripicchio, Antonio
CS Dip. Farm.-Chim., Univ. Bari, Bari, 70126, Italy
SO Inorg. Chem. (1988), 27(14), 2422-31
CODEN: INOCAJ; ISSN: 0020-1669
DT Journal
LA English

L4 ANSWER 91 OF 199 CASREACT COPYRIGHT 2001 ACS

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AN 109:6470 CASREACT
TI Oxidation of thiols by 5-arylidene-1,3-dimethylbarbituric acid and its application to the synthesis of unsymmetrical disulfides
AU Tanaka, Kiyoshi; Chen, Xing; Kimura, Teiji; Yoneda, Fumio
CS Fac. Pharm. Sci., Kyoto Univ., Kyoto, 606, Japan
SO Tetrahedron Lett. (1987), 28(36), 4173-6
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L4 ANSWER 92 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 109:6265 CASREACT
TI A novel synthesis of substituted 3-aminopenems
AU Barker, A. J.; Teall, M. R.; Johnson, G.
CS Dep. Synth. Chem., Hoechst Pharm. Res. Lab., Walton/Milton Keynes, MK7 7AJ, UK
SO Tetrahedron Lett. (1987), 28(20), 2283-6
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L4 ANSWER 93 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:221547 CASREACT
TI The regiospecific Pummerer-like introduction of chlorine atoms into pyrrol-3-yl and indol-3-yl sulfoxides
AU Garcia, Josefina; Ortiz, Claudio; Greenhouse, Robert
CS Div. Invest., SYNTEX, S.A., Mexico City, Mex.
SO J. Org. Chem. (1988), 53(11), 2634-7
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 94 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:204570 CASREACT
TI Structure-activity profile of a series of novel triazoloquinazoline adenosine antagonists
AU Francis, John E.; Cash, William D.; Psychoyos, Stacy; Ghai, Geetha; Wenk, Paul; Friedmann, Robert C.; Atkins, Charlotte; Warren, Vivian; Furness, Patricia; et al.
CS Pharm. Div., CIBA-GEIGY Corp., Summit, NJ, 07901, USA
SO J. Med. Chem. (1988), 31(5), 1014-20
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English

L4 ANSWER 95 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:204377 CASREACT
TI An improved, large-scale synthesis of xanthothricin and reumycin
AU Black, T. Howard
CS Dep. Chem., East. Illinois Univ., Charleston, IL, 61920, USA
SO J. Heterocycl. Chem. (1987), 24(5), 1373-5
CODEN: JHTCAD; ISSN: 0022-152X

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DT Journal
LA English

L4 ANSWER 96 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:167711 CASREACT
TI N-(Benzenesulfonyl)indole as terminator in a biomimetic polyene
cyclization: synthesis of a pentacyclic indolosesquiterpene
AU Mirand, Catherine; Doe de Maindreville, Michele; Cartier, Dominique;
Levy, Jean
CS Fac. Pharm., Univ. Reims, Reims, F 51096, Fr.
SO Tetrahedron Lett. (1987), 28(31), 3565-8
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L4 ANSWER 97 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:75050 CASREACT
TI New reactions of 2-alkylthiopenems
AU Girijavallabhan, Viyyoor M.; McCombie, Stuart W.; Pinto, Patrick; Lin,
Sue
Ing; Versace, Richard
CS Schering Res., Bloomfield, NJ, 07003, USA
SO J. Chem. Soc., Chem. Commun. (1987), (9), 691-2
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English

L4 ANSWER 98 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:55708 CASREACT
TI The preparation of the first .alpha.-vinylidene-.beta.-lactams
AU Buynak, John D.; Mathew, Jacob; Rao, M. Narayana; Haley, Elizabeth;
George, Christian; Siriwardane, Upali
CS Dep. Chem., South. Methodist Univ., Dallas, TX, 75275, USA
SO J. Chem. Soc., Chem. Commun. (1987), (10), 735-7
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English

L4 ANSWER 99 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:21816 CASREACT
TI Synthesis and hypoglycemic activity of 7,8-dihydro-6H-thiopyrano[3,2-
d]pyrimidine derivatives and related compounds
AU Ohno, Sachio; Mizukoshi, Kiyoshi; Komatsu, Osamu; Kuno, Yasuo; Nakamura,
Yoshiki; Kato, Eiichi; Nagasaka, Mitsuki
CS Res. Lab., Maruko Seiyaku Co., Ltd., Kasugai, 486, Japan
SO Chem. Pharm. Bull. (1986), 34(10), 4150-65
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

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L4 ANSWER 100 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:21810 CASREACT
TI The condensation products of 2,3,6-trisubstituted-1,4-naphthoquinones
with 2-aminothiophenol
AU Kang, W. B.; Nanya, Seiko; Yamaguchi, Yasushi; Maekawa, Eturo; Ueno,
Yoshio
CS Dep. Appl. Chem., Nagoya Inst. Technol., Nagoya, 466, Japan
SO J. Heterocycl. Chem. (1987), 24(1), 91-4
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English

L4 ANSWER 101 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:6237 CASREACT
TI A stereoselective synthesis of D-normorphinan derivatives by means of an
intramolecular Diels-Alder reaction
AU Kametani, Tetsuji; Suzuki, Yukio; Honda, Toshio
CS Inst. Med. Chem., Hoshi Univ., Tokyo, 142, Japan
SO Chem. Pharm. Bull. (1986), 34(12), 4971-7
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 102 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:5950 CASREACT
TI Pyrimidines. 8. Chlorination of 6-methyluracil with phosphorus
oxychloride
in the presence of trialkylamines
AU Gershon, Herman; Grefig, Anthony; Clarke, Donald D.
CS Boyce Thompson Inst. Plant Res., Cornell Univ., Ithaca, NY, 14853, USA
SO J. Heterocycl. Chem. (1987), 24(1), 205-9
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English

L4 ANSWER 103 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 108:5733 CASREACT
TI Syntheses of chiral intermediates of 1-.beta.-methylcarbapenems:
(3S,4R)-3-[1(R)-tert-butyldimethylsilyloxyethyl]-4-chloroazetidin-2-one
and (3S,4S)-3-[1(R)-tert-butyldimethylsilyloxyethyl]-4-[1(R)-tert-
butylthiocarbonyl]azetidin-2-one
AU Endo, Masaki
CS Pharm. Res. Dev. Div., Bristol-Myers Pharm., Candiatic, PQ, J5R 1J1, Can.
SO Can. J. Chem. (1987), 65(9), 2140-5
CODEN: CJCHAG; ISSN: 0008-4042
DT Journal
LA English

L4 ANSWER 104 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 107:217991 CASREACT
TI A phosphorus-31 and proton NMR study of the conformations of a series of

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diastereomeric 3-substituted trans-2,4-dioxo-3-oxo- and
trans-2,4-dioxo-3-thioxo-3-phosphabicyclo[4.3.0]nonanes as model
compounds

for cyclic nucleotides

AU Hermans, Rob J. M.; Buck, Henk M.
CS Dep. Org. Chem., Eindhoven Univ. Technol., Eindhoven, NL-5600 MB, Neth.
SO J. Org. Chem. (1987), 52(23), 5150-7
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 105 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 107:198824 CASREACT
TI Studies on nucleosides. Part XIII. Synthesis and antiviral activity of
acyclic analogs of spongiosine.
AU Singh, P. K.; Saluja, Sunita; Pratap, Ram; George, C. X.; Bhakuni, D. S.
CS Cent. Drug Res. Inst., Lucknow, 226 001, India
SO Indian J. Chem., Sect. B (1986), 25B(8), 823-7
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English

L4 ANSWER 106 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 107:175796 CASREACT
TI Chlorosulfonyl derivatives of maleic and chloromaleic anhydrides and some
of their properties
AU Gruzdev, V. G.; Gruzdev, G. V.
CS Pedagog. Inst., Ulyanovsk, USSR
SO Zh. Obshch. Khim. (1986), 56(8), 1872-6
CODEN: ZOKHA4; ISSN: 0044-460X
DT Journal
LA Russian

L4 ANSWER 107 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 107:115554 CASREACT
TI Organomanganese(II) reagents in the synthesis of 5-pyrimidinyl ketones
AU Arukwe, Joseph; Undheim, Kjell
CS Dep. Chem., Univ. Oslo, Oslo, N-0315/3, Norway
SO Acta Chem. Scand., Ser. B (1986), B40(9), 764-7
CODEN: ACBOCV; ISSN: 0302-4369
DT Journal
LA English

L4 ANSWER 108 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 107:96671 CASREACT
TI Convenient synthesis of substituted 3-aminothiophene-2-carbonitriles from
.alpha.-acetylenic nitriles and their conversion to thieno[3,2-
d]pyrimidines
AU Ren, Wu Yun; Rao, Kambhampati V. B.; Klein, Robert S.
CS Grad. Sch. Med. Sci., Cornell Univ., New York, NY, 10021, USA
SO J. Heterocycl. Chem. (1986), 23(6), 1757-63
CODEN: JHTCAD; ISSN: 0022-152X

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DT Journal
LA English

L4 ANSWER 109 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:213516 CASREACT
TI Subsite-specific functionalization of the [4Fe-4S]₂⁺ analog of
iron-sulfur
protein clusters
AU Stack, T. D. P.; Holm, R. H.
CS Dep. Chem., Harvard Univ., Cambridge, MA, 02138, USA
SO J. Am. Chem. Soc. (1987), 109(8), 2546-7
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English

L4 ANSWER 110 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:196718 CASREACT
TI The reaction of 9-(2',3'-dideoxy-.beta.-D-glycero-pent-2-
enofuranosyl)adenine derivatives with arene- and alkanesulfonyl
chlorides.
An unusual ring opening reaction of thiiranium ions
AU Welch, C. J.; Bazin, H.; Chattopadhyaya, J.
CS Biomed. Cent., Uppsala Univ., Uppsala, S-751 23, Swed.
SO Acta Chem. Scand., Ser. B (1986), B40(5), 343-57
CODEN: ACBOCV; ISSN: 0302-4369
DT Journal
LA English

L4 ANSWER 111 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:196378 CASREACT
TI Synthesis and chemical properties of
3,4,5,6-tetrahydro-3-hydroxy-8-methyl-
6-oxo-2H-pyrimido[2,1-b][1,3]thiazines
AU Faskhutdinov, R. M.; Pashkurov, N. G.; Reznik, V. S.
CS Inst. Org. Fiz. Khim., Moscow, USSR
SO Izv. Akad. Nauk SSSR, Ser. Khim. (1986), (7), 1634-6
CODEN: IASKA6; ISSN: 0002-3353
DT Journal
LA Russian

L4 ANSWER 112 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:196087 CASREACT
TI 2-Selenacephems and 1-dethia-1-selenapenems
AU Alpegiani, Marco; Bedeschi, Angelo; Perrone, Ettore; Franceschi, Giovanni
CS Ric. Sviluppo Chim., Farmitalia Carlo Erba, Milan, Italy
SO Tetrahedron Lett. (1986), 27(26), 3041-4
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L4 ANSWER 113 OF 199 CASREACT COPYRIGHT 2001 ACS

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AN 106:156415 CASREACT
TI Linear expanded xanthenes
AU Rodgers, Gary R.; Neish, William J. P.
CS Dep. Pharmacol., Univ. Sheffield, Sheffield, S10 2TN, UK
SO Monatsh. Chem. (1986), 117(6-7), 879-82
CODEN: MOCMB7; ISSN: 0026-9247
DT Journal
LA English

X

L4 ANSWER 114 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:138324 CASREACT
TI High-yielding syntheses of 4(5)-substituted imidazoles via organolithium intermediates. The utility of sulfonamide N-protection and silicon-containing blocking groups
AU Carpenter, Andrew J.; Chadwick, Derek J.
CS Dep. Org. Chem., Univ. Liverpool, Liverpool, L69 3BX, UK
SO Tetrahedron (1986), 42(8), 2351-8
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English

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L4 ANSWER 115 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:138321 CASREACT
TI 4-Alkyl(aryl)-3,6-diaminopyrazolo[3,4-b]pyridines with chlorine or alkylthio substitution in the 5-position
AU Pochat, Francis
CS Lab. Synthèse Org., Univ. Rennes I, Rennes, F. 35042, Fr.
SO Tetrahedron (1986), 42(16), 4461-9
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA French

X

L4 ANSWER 116 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:102180 CASREACT
TI Sulfurization of azines. Part VII. Exhaustive sulfurization of quinoline
AU Maslankiewicz, Andrzej
CS Inst. Chem. Med. Phys., Silesian Sch. Med., Sosnowiec, 41200, Pol.
SO Pol. J. Chem. (1985), 59(5-6), 511-20
CODEN: PJCHDQ; ISSN: 0137-5083
DT Journal
LA English

X

L4 ANSWER 117 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:84377 CASREACT
TI Base-induced skeletal rearrangements via spirocyclic ipso intermediates in dibenzodithiocinium salts
AU Ohkata, Katsuo; Okada, Keiji; Maruyama, Kohji; Akiba, Kinya
CS Fac. Sci., Hiroshima Univ., Hiroshima, 730, Japan
SO Tetrahedron Lett. (1986), 27(28), 3257-60
CODEN: TELEAY; ISSN: 0040-4039

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DT Journal
LA English

L4 ANSWER 118 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:67155 CASREACT
TI 3,4-Dihydro-2-phenyl-2H-pyrano[2,3-b]pyridines. Novel aza analogs of flavans
AU Bargar, T. M.; Wilson, T.; Daniel, J. K.
CS Dep. Med. Chem., Merrell Dow Res. Inst., Indianapolis, IN, 46268, USA
SO J. Heterocycl. Chem. (1985), 22(6), 1583-92
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English

L4 ANSWER 119 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:50527 CASREACT
TI Methods for indole alkaloid synthesis: reactions of N-(arylsulfonyl)enamines with electrophiles. An expeditious synthesis of (.+-.)-eburnamonine
AU Magnus, Philip; Pappalardo, Paul; Southwell, Ian
CS Dep. Chem., Indiana Univ., Bloomington, IN, 47405, USA
SO Tetrahedron (1986), 42(12), 3215-22
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English

L4 ANSWER 120 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:50122 CASREACT
TI Preparation of pyridoazoloazepines from chloropyridoazepines
AU Patel, Dalpat I.; Smalley, Robert K.; Scopes, David I. C.
CS Ramage Lab., Univ. Salford, Salford, M5 4WT, UK
SO J. Chem. Res., Synop. (1986), (6), 204-5
CODEN: JRPSDC; ISSN: 0308-2342
DT Journal
LA English

L4 ANSWER 121 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:32148 CASREACT
TI Nucleophilic substitution reactions in benzo[c][1,8]naphthyridines
AU Deady, Leslie W.; Werden, Dianne M.
CS Chem. Dep., La Trobe Univ., Bundoora, 3083, Australia
SO Aust. J. Chem. (1986), 39(4), 667-75
CODEN: AJCHAS; ISSN: 0004-9425
DT Journal
LA English

L4 ANSWER 122 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 106:18486 CASREACT
TI Polycyclic N-hetero compounds. XXI. Synthesis of novel ring system, 4H-imidazo[1',2':1,6]pyrimido[5,4-d][1]benzazepine as B-homo-6,11,13,15-tetraazasteroidal analog

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AU Hirota, Takashi; Fukumoto, Masami; Sasaki, Kenji; Namba, Tetsuto;
Hayakawa, Shohei
CS Fac. Pharm. Sci., Okayama Univ., Okayama, 700, Japan
SO Heterocycles (1986), 24(1), 143-54
CODEN: HTCYAM; ISSN: 0385-5414
DT Journal
LA English

L4 ANSWER 123 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 105:172392 CASREACT
TI Heterocyclic amplifiers of phleomycin. IX. Some derivatives of fused and
unfused mono- and diaza heterocycles
AU Barlin, Gordon B.; Ireland, Stephen J.
CS John Curtin Sch. Med. Res., Aust. Natl. Univ., Canberra, 2601, Australia
SO Aust. J. Chem. (1985), 38(11), 1685-91
CODEN: AJCHAS; ISSN: 0004-9425
DT Journal
LA English

L4 ANSWER 124 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 105:172213 CASREACT
TI Reaction of N-halo imides with sulfur. Thiodiimides
AU Borovikova, G. S.; Levchenko, E. S.; Kaminskaya, E. I.
CS Inst. Org. Khim., Kiev, USSR
SO Zh. Org. Khim. (1986), 22(1), 100-6
CODEN: ZORKAE; ISSN: 0514-7492
DT Journal
LA Russian

L4 ANSWER 125 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 105:97205 CASREACT
TI Synthesis of 3,3a-dihydro-2H,5H-azeto[2,1-b]benzo[d]-1,3-oxazine-2,5-
diones. 2.
AU Ongania, Karl Hans; Egerbacher, Josef
CS Inst. Org. Pharm. Chem., Univ. Innsbruck, Innsbruck, A-6020, Austria
SO Monatsh. Chem. (1985), 116(8-9), 979-94
CODEN: MOCMB7; ISSN: 0026-9247
DT Journal
LA German

L4 ANSWER 126 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 105:43176 CASREACT
TI Syntheses of 2,4-substituted homo-C-pyrimidine nucleosides
AU Renz, Hans; Schlimme, Eckhard
CS Lab. Biol. Chem., Univ.-GH Paderborn, Paderborn, D-4790, Fed. Rep. Ger.
SO Liebigs Ann. Chem. (1986), (6), 957-66
CODEN: LACHDL; ISSN: 0170-2041
DT Journal
LA German

L4 ANSWER 127 OF 199 CASREACT COPYRIGHT 2001 ACS

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AN 104:224754 CASREACT
TI Synthetic studies of 1-azapenem
AU Shibata, Tomoyuki; Sugimura, Yukio; Sato, Sadao; Kawazoe, Kayoko
CS Chem. Res. Lab., Sankyo Co., Ltd., Tokyo, 140, Japan
SO Heterocycles (1985), 23(12), 3069-78
CODEN: HTCYAM; ISSN: 0385-5414
DT Journal
LA English

L4 ANSWER 128 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 104:110015 CASREACT
TI Application of a transition-metal-mediated stereospecific Michael
reaction
equivalent to the synthesis of allooyohimbone
AU Godleski, Stephen A.; Villhauer, Edwin B.
CS Dep. Chem., Univ. Rochester, Rochester, NY, 14627, USA
SO J. Org. Chem. (1986), 51(4), 486-91
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 129 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 104:110010 CASREACT
TI A convenient synthesis of 3-acylindoles via Friedel Crafts acylation of
1-(phenylsulfonyl)indole. A new route to pyridocarbazole-5,11-quinones
and ellipticine
AU Ketcha, Daniel M.; Gribble, Gordon W.
CS Dep. Chem., Dartmouth Coll., Hanover, NH, 03755, USA
SO J. Org. Chem. (1985), 50(26), 5451-7
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 130 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 104:109601 CASREACT
TI Reaction of cycloaliphatic carbodiimides with oxalyl chloride
AU Richter, R.; Barsa, E. A.
CS North Haven Lab., Dow Chem. USA, North Haven, CT, 06473-0430, USA
SO J. Org. Chem. (1986), 51(3), 417-19
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 131 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 104:109405 CASREACT
TI (Perhalomethylthio)heterocycles. XXII. N-Functionalization of
2,3,4,5-tetrakis(trifluoromethylthio)pyrrole
AU Haas, Alois; Klare, Christiane
CS Ruhr-Univ. Bochum, Bochum, D-4630/1, Fed. Rep. Ger.
SO Chem. Ber. (1985), 118(11), 4588-96
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal

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LA German

L4 ANSWER 132 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 104:88482 CASREACT
TI Benzazolylythiones in the reaction with thionyl chloride
AU Mokrushina, G. A.; Kotovskaya, S. K.; Yurchenko, G. A.
CS Ural. Politekh. Inst., Sverdlovsk, 620002, USSR
SO Khim. Geterotsikl. Soedin. (1985), (8), 1047-50
CODEN: KGSSAQ; ISSN: 0453-8234
DT Journal
LA Russian

L4 ANSWER 133 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 104:33920 CASREACT
TI Approaches to the stereocontrolled synthesis of prostanoids with nitrogen in the ring. Part 2. Synthesis of an 11-aza-11-deoxyprostaglandin synthon from D-glucose and L-arabinose
AU Holzapfel, Cedric W.; Jina, Arvind N.; Koekemoer, Johannes M.; Von Platen, Axel E.
CS Dep. Chem., Rand Afr. Univ., Johannesburg, 2000, S. Afr.
SO S. Afr. J. Chem. (1985), 38(2), 65-72
CODEN: SAJCDG; ISSN: 0379-4350
DT Journal
LA English

L4 ANSWER 134 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 104:19434 CASREACT
TI Model experiments on surugatoxin synthesis. III. Synthesis of 2,4-dibenzoyloxy-6-ethylsulfonyl-5-nitropyrimidine
AU Hashizume, Kiyomatsu; Inoue, Shoji
CS Fac. Pharm., Meijo Univ., Nagoya, 468, Japan
SO Yakugaku Zasshi (1985), 105(4), 362-7
CODEN: YKKZAJ; ISSN: 0031-6903
DT Journal
LA Japanese

L4 ANSWER 135 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 103:215105 CASREACT
TI (Perhalomethylthio) heterocycles. XVIII. Synthesis and properties of halogenated (perhalomethylthio)pyrroles
AU Ceacareanu, Dimitru M.; Gerstenberger, Michael R. C.; Haas, Alois
CS Ruhr-Univ. Bochum, Bochum, D-4630, Fed. Rep. Ger.
SO J. Heterocycl. Chem. (1985), 22(2), 281-5
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA German

L4 ANSWER 136 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 103:196023 CASREACT
TI New antiallergic pyrano[3,2-g]quinoline-2,8-dicarboxylic acids with

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potential for the topical treatment of asthma
AU Cairns, Hugh; Cox, David; Gould, Ken J.; Ingall, Anthony H.; Suschitzky, John L.
CS Res. Dev. Lab., Fisons PLC, Loughborough/Leicestershire, LE11 0RH, UK
SO J. Med. Chem. (1985), 28(12), 1832-42
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English

L4 ANSWER 137 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 103:160789 CASREACT
TI Synthesis and biological activity of certain 6-substituted and 2,6-disubstituted 2'-deoxytubercidins prepared via the stereospecific sodium salt glycosylation procedure
AU Cottam, Howard B.; Kazimierczuk, Zygmunt; Geary, Stewart; McKernan, Patricia A.; Revankar, Ganapathi R.; Robins, Roland K.
CS Cancer Res. Cent., Brigham Young Univ., Provo, UT, 84602, USA
SO J. Med. Chem. (1985), 28(10), 1461-7
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English


L4 ANSWER 138 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 103:123584 CASREACT
TI Stereospecific conversion of cyclic phosphorothioates into chlorophosphates
AU Bouchu, D.; Tardy, F.; Moreau, M.; Dreux, J.; Skowronska, A.; Michalski, J.
CS Lab. Synth. Org. Appl., Univ. Claude Bernard Lyon I, Villeurbanne, 69622, Fr.
SO Tetrahedron Lett. (1985), 26(4), 443-6
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English

L4 ANSWER 139 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 103:123428 CASREACT
TI Pyrimidine and fused pyrimidine derivatives. III. Synthesis of s-triazolo[1,5-a]pyrimidine derivatives by using ketene dithioacetals
AU Tominaga, Yoshinori; Sakai, Shuichiro; Kohra, Shinya; Tsuka, Junko; Matsuda, Yoshiro; Kobayashi, Goro
CS Fac. Pharm. Sci., Nagasaki Univ., Nagasaki, 852, Japan
SO Chem. Pharm. Bull. (1985), 33(3), 962-70
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English


L4 ANSWER 140 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 103:87846 CASREACT
TI Synthesis of 4-alkyl-3,5-diamino-1,2,4,6-thiatriazine 1,1-dioxides. Part II
AU Cousins, Simon J.; Ross, Barry C.; Maw, Graham N.; Michael, Jeffrey D.

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CS Hoechst Pharm. Res. Lab., Walton/Milton Keynes, UK
SO Tetrahedron Lett. (1985), 26(8), 1105-8
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English




L4 ANSWER 141 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 103:87845 CASREACT
TI 2(6)-Alkyl-3,5-diamino-1,2,4,6-thiatriazine 1,1-dioxides. Part I
AU Michael, Jeffrey D.; Rees, Peter M.; Ross, Barry C.
CS Hoechst Pharm. Res. Lab., Walton/Milton Keynes, UK
SO Tetrahedron Lett. (1985), 26(8), 1101-4
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English




L4 ANSWER 142 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 103:6092 CASREACT
TI Synthesis of 3,4-benzo-1-oxacephem
AU Ongania, Karl Hans
CS Inst. Org. Pharm. Chem., Univ. Innsbruck, Innsbruck, A-6020, Austria
SO Z. Naturforsch., B: Anorg. Chem., Org. Chem. (1985), 40B(1), 115-19
CODEN: ZNBAD2; ISSN: 0340-5087
DT Journal
LA German



L4 ANSWER 143 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 102:113643 CASREACT
TI Synthetic and reactivity studies on (C5H5)2Ti(.mu.-SH)2Mo(CO)4 and related compounds
AU Ruffing, Charles J.; Rauchfuss, Thomas B.
CS Sch. Chem. Sci., Univ. Illinois, Urbana, IL, 61801, USA
SO Organometallics (1985), 4(3), 524-8
CODEN: ORGND7; ISSN: 0276-7333
DT Journal
LA English



L4 ANSWER 144 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 101:230485 CASREACT
TI Novel pyrimidine and 1,3,5-triazine hypolipemic agents
AU D'Atri, Gaetano; Gomarasca, Piero; Resnati, Giuseppe; Tronconi, Giovanni; Scolastico, Carlo; Sirtori, Cesare R.
CS LPB Ist. Farm. S.p.A., Milan, Italy
SO J. Med. Chem. (1984), 27(12), 1621-9
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English



L4 ANSWER 145 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 101:54800 CASREACT

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TI Stereospecific synthesis of thienamycin from penicillin
IN Amato, Joseph S.; Karady, Sandor; Weinstock, Leonard M.
PA Merck and Co., Inc. , USA
SO U.S., 6 pp. Cont.-in-part of U.S. Ser. No. 257,695, abandoned.
CODEN: USXXAM

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4444685	A	19840424	US 1982-391032	19820622
	US 4525582	A	19850625	US 1984-572794	19840123
PRAI	US 1981-257695		19810427		
	US 1982-391032		19820622		

L4 ANSWER 146 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 101:23464 CASREACT
TI 2-Chlorobenzothiazole from 2-mercaptobenzothiazole
IN Steffan, Guido
PA Bayer A.-G. , Fed. Rep. Ger.
SO Ger. Offen., 8 pp.
CODEN: GWXXBX

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3234531	A1	19840322	DE 1982-3234531	19820917
	DE 3234531	C2	19910704		
	JP 59070678	A2	19840421	JP 1983-167659	19830913
	JP 05020431	B4	19930319		
	BE 897750	A1	19840314	BE 1983-211528	19830914
PRAI	DE 1982-3234531		19820917		

L4 ANSWER 147 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 101:23243 CASREACT
TI Reactions of 3-chloro-2H-thiete 1,1-dioxide
AU Sedergran, Thomas C.; Yokoyama, Masataka; Dittmer, Donald C.
CS Dep. Chem., Syracuse Univ., Syracuse, NY, 13210, USA
SO J. Org. Chem. (1984), 49(13), 2408-12
CODEN: JOCEAH; ISSN: 0022-3263

DT Journal
LA English

L4 ANSWER 148 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 100:210011 CASREACT
TI Vinylthiochlorophosphoranes
AU Danchenko, M. N.; Sinitisa, A. D.
CS Inst. Org. Khim., Kiev, USSR
SO Zh. Obshch. Khim. (1984), 54(2), 473-4
CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal
LA Russian

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L4 ANSWER 149 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 100:103054 CASREACT
TI 7-Oxo-4-thia-1-azabicyclo[3.2.0]heptane derivatives
IN Ross, Barry Clive; Johnson, Graham
PA Hoechst U. K. Ltd., UK
SO Eur. Pat. Appl., 47 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 91576	A2	19831019	EP 1983-102818	19830322
	EP 91576	A3	19831214		
	EP 91576	B1	19870729		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	AT 28648	E	19870815	AT 1983-102818	19830322
	JP 58174385	A2	19831013	JP 1983-49105	19830325
	GB 2118546	A1	19831102	GB 1983-8276	19830325
	GB 2118546	B2	19860820		
	CA 1206148	A1	19860617	CA 1983-424484	19830325
	GB 2159519	A1	19851204	GB 1985-16150	19850626
	GB 2159519	B2	19860820		
	CA 1210772	A2	19860902	CA 1985-487762	19850730
	CA 1211118	A2	19860909	CA 1985-487761	19850730
	US 4675396	A	19870623	US 1985-798858	19851118
PRAI	GB 1982-8983		19820326		
	EP 1983-102818		19830322		
	US 1983-478473		19830324		
	CA 1983-424484		19830325		
	GB 1983-8276		19830325		

L4 ANSWER 150 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 100:51545 CASREACT
TI 2-Benzazepines. 8. Zerovalent nickel mediated biaryl synthesis of an
anxiolytic pyrimido[5,4-d][2]benzazepine
AU Coffen, David L.; Schaer, Beatrice; Bizzarro, Fred T.; Cheung, Julia B.
CS Res. Dev. Div., Hoffmann-La Roche Inc., Nutley, NJ, 07110, USA
SO J. Org. Chem. (1984), 49(2), 296-300
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L4 ANSWER 151 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 100:34506 CASREACT
TI Condensed 1,2,4-triazines. Regioselective condensations with
benzo[h]quinoline-5,6-dione
AU Eid, Mohga M.; Badawy, Mohamed A.; Ibrahim, Yehia A.
CS Fac. Sci., Cairo Univ., Giza, Egypt
SO J. Heterocycl. Chem. (1983), 20(5), 1255-8
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal

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LA English

L4 ANSWER 152 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 99:70837 CASREACT
TI Synthesis of 4-phosphorylated oxazoles and thiazoles
AU Brovarets, V. S.; Lobanov, O. P.; Drach, B. S.
CS Inst. Org. Khim., Kiev, USSR
SO Zh. Obshch. Khim. (1983), 53(3), 660-4
CODEN: ZOKHA4; ISSN: 0044-460X
DT Journal
LA Russian

L4 ANSWER 153 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 99:5069 CASREACT
TI Reactivity constants of complex substituents. 2-Substituted and
6-substituted 4-pyrimidyl groups
AU Baram, S. G.; Shkurko, O. P.; Mamaev, V. P.
CS Novosib. Inst. Org. Khim., Novosibirsk, USSR
SO Izv. Sib. Otd. Akad. Nauk SSSR, Ser. Khim. Nauk (1983), (2), 111-17
CODEN: IZSKAB; ISSN: 0002-3426
DT Journal
LA Russian

L4 ANSWER 154 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 98:215407 CASREACT
TI Antibacterial penem derivatives
IN Cooke, Michael David; Ross, Barry Clive
PA Hoechst U. K. Ltd., UK
SO Eur. Pat. Appl., 173 pp.
CODEN: EPXXDW
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 69377	A2	19830112	EP 1982-105989	19820705
	EP 69377	A3	19830413		
	EP 69377	B1	19880622		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	ES 513672	A1	19830401	ES 1982-513672	19820702
	AT 35269	E	19880715	AT 1982-105989	19820705
	FI 8202401	A	19830109	FI 1982-2401	19820706
	FI 77661	B	19881230		
	FI 77661	C	19890410		
	JP 58074687	A2	19830506	JP 1982-117623	19820706
	IL 66245	A1	19880531	IL 1982-66245	19820706
	DK 8203058	A	19830109	DK 1982-3058	19820707
	AU 8285702	A1	19830113	AU 1982-85702	19820707
	AU 562008	B2	19870528		
	ZA 8204830	A	19830629	ZA 1982-4830	19820707
	CA 1225392	A1	19870811	CA 1982-406827	19820707
	GB 2102798	A	19830209	GB 1982-19773	19820708
	GB 2102798	B2	19851211		

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ES 516864	A1	19830916	ES 1982-516864	19821027
ES 516863	A1	19840116	ES 1982-516863	19821027
US 4585767	A	19860429	US 1984-619703	19840614
GB 2151630	A1	19850724	GB 1985-841	19850114
GB 2151630	B2	19860212		
CA 1218663	A2	19870303	CA 1986-500915	19860131
US 4772692	A	19880920	US 1986-854998	19860422
AU 8770972	A1	19870827	AU 1987-70972	19870402
AU 8770973	A1	19870827	AU 1987-70973	19870402
AU 8770974	A1	19870827	AU 1987-70974	19870402
PRAI GB 1981-21108		19810708		
GB 1982-7136		19820311		
EP 1982-105989		19820705		
US 1982-395646		19820706		
CA 1982-406827		19820707		
GB 1982-19773		19820708		
US 1984-619703		19840614		

L4 ANSWER 155 OF 199 CASREACT COPYRIGHT 2001 ACS
 AN 98:198149 CASREACT
 TI Pyrimidines. 6. 6-Trifluoromethyl chloropyrimidines and related compounds
 AU Gershon, Herman; Grefig, Anthony T.; Scala, Alfred A.
 CS Boyce Thompson Inst. Plant Res., Cornell Univ., Ithica, NY, 14853, USA
 SO J. Heterocycl. Chem. (1983), 20(1), 219-23
 CODEN: JHTCAD; ISSN: 0022-152X
 DT Journal
 LA English

L4 ANSWER 156 OF 199 CASREACT COPYRIGHT 2001 ACS
 AN 98:197896 CASREACT
 TI Antibacterial penem derivatives
 IN Cooke, Michael David; Ross, Barry Clive
 PA Hoechst U. K. Ltd., UK
 SO Eur. Pat. Appl., 102 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 69378	A2	19830112	EP 1982-105990	19820705
	EP 69378	A3	19830323		
	EP 69378	B1	19870107		
	R: DE, FR, GB				
	EP 185651	A1	19860625	EP 1986-100522	19820705
	R: DE, FR				
	JP 58074686	A2	19830506	JP 1982-117622	19820706
	GB 2104511	A	19830309	GB 1982-19785	19820708
	GB 2104511	B2	19851211		
	GB 2154576	A1	19850911	GB 1985-842	19820708
	GB 2154576	B2	19860409		
	GB 2151631	A1	19850724	GB 1985-843	19850114
	GB 2151631	B2	19860219		

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	US 4684640	A	19870804	US 1985-718200	19850402
PRAI	GB 1981-21107		19810708		
	EP 1982-105990		19820705		
	US 1982-395641		19820706		
	GB 1982-19785		19820708		

L4 ANSWER 157 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 98:160665 CASREACT
TI Studies on antitumor agents. V. Syntheses and antitumor activities of 5-fluorouracil derivatives
AU Yamashita, Junichi; Yamawaki, Ichiro; Ueda, Shuichi; Yasumoto, Mitsugi; Unemi, Norio; Hashimoto, Sadao
CS Res. Lab., Taiho Pharm. Co., Ltd., Tokushima, 771-01, Japan
SO Chem. Pharm. Bull. (1982), 30(12), 4258-67
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 158 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 98:72039 CASREACT
TI Studies on the neuroleptic benzamides. I. Synthesis and antidopaminergic properties of new pyrimidine derivatives
AU Dostert, P.; Imbert, T.; Ancher, J. F.; Langlois, M.; Bucher, B.; Mocquet, G.
CS Cent. Rech. Delalande, Rueil-Malmaison, 92500, Fr.
SO Eur. J. Med. Chem. - Chim. Ther. (1982), 17(5), 437-44
CODEN: EJMCA5; ISSN: 0009-4374
DT Journal
LA English


L4 ANSWER 159 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 98:16559 CASREACT
TI Sulfurization of azines. V. Preparation of 4-substituted 3-alkylthioquinolines from quinoline
AU Maslankiewicz, Andrzej; Pluta, Krystian
CS Inst. Chem. Phys., Silesian Sch. Med., Sosnowiec, 41-200, Pol.
SO Synthesis (1982), (10), 872-4
CODEN: SYNTBF; ISSN: 0039-7881
DT Journal
LA English

L4 ANSWER 160 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 97:40291 CASREACT
TI The effect of 5-substituents on the reactivity of 2-chloro- and 2-hydroxypyrimidines
AU Hannout, I. B.; Johnson, A.
CS Dep. Polym. Fibre Sci., Univ. Manchester Inst. Sci. Technol., Manchester, M60 1QD, UK
SO Dyes Pigm. (1982), 3(2-3), 173-82
CODEN: DYPIDX; ISSN: 0143-7208

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DT Journal
LA English

L4 ANSWER 161 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 97:23734 CASREACT
TI Dibenzofurans. IV. 3-(2-Pyrimidinylamino)dibenzofurans
AU Cristea, I.; Farcasan, V.
CS Rom.
SO Stud. Univ. Babes-Bolyai, [Ser.] Chem. (1981), 26(1), 28-33
CODEN: SUBCAB; ISSN: 0039-3401
DT Journal
LA English




L4 ANSWER 162 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 97:6052 CASREACT
TI Regioselective synthesis of the N-monomethyl derivatives of
7-deazahypoxanthine
AU Seela, Frank; Bussmann, Werner; Goetze, Andreas
CS Fachber. Naturwiss. II, Univ. Paderborn, Paderborn, D-4790, Fed. Rep.
Ger.
SO Liebig's Ann. Chem. (1982), (4), 805-12
CODEN: LACHDL; ISSN: 0170-2041
DT Journal
LA German

L4 ANSWER 163 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 96:199623 CASREACT
TI 3,4-Dihydrothienopyrimidines. II. Synthesis and sodium borohydride
reduction of 2-substituted 4-chloro- and 4-unsubstituted-thieno[2,3-
d]pyrimidines
AU Yamaguchi, Hitoshi; Ishikawa, Fumiyoshi
CS Res. Inst., Daiichi Seiyaku Co., Ltd., Tokyo, 134, Japan
SO Chem. Pharm. Bull. (1982), 30(1), 326-32
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English



L4 ANSWER 164 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 96:162471 CASREACT
TI Perhalomethylthio heterocycles. XI. Perfluoromethylthio-substituted
N-methylpyrroles; migration of the perfluoromethylthio group
AU Gerstenberger, M. R. C.; Haas, A.; Liebig, F.
CS Ruhr-Univ. Bochum, Bochum, D-4630, Fed. Rep. Ger.
SO J. Fluorine Chem. (1982), 19(3-6), 461-74
CODEN: JFLCAR; ISSN: 0022-1139
DT Journal
LA German



L4 ANSWER 165 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 96:142845 CASREACT
TI 2,6-Dichlorobenzoxazole and 2,6-dichlorobenzothiazole

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IN Knorr, Harald; Handte, Reinhard; Willms, Lothar; Tammer, Thomas
PA Hoechst A.-G. , Fed. Rep. Ger.
SO Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 43573	A1	19820113	EP 1981-105184	19810704
	EP 43573	B1	19830831		
	R: CH, DE, FR, GB, IT, NL				
	DE 3025910	A1	19820204	DE 1980-3025910	19800709
	US 4433153	A	19840221	US 1981-281215	19810707
	IL 63247	A1	19840930	IL 1981-63247	19810707
	CA 1168246	A1	19840529	CA 1981-381302	19810708
PRAI	DE 1980-3025910		19800709		

L4 ANSWER 166 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 95:203842 CASREACT

TI Chlorination of 3-mercapto-5-(4-alkoxybenzyl)-1,2,4-triazoles

AU Avetisyan, A. Kh.; Ovsepyan, T. R.; Engoyan, A. P.; Grigoryan, R. T.

CS Inst. Tonk. Org. Khim. im. Mndzhoyana, Yerevan, USSR

SO Arm. Khim. Zh. (1981), 34(8), 703-6

CODEN: AYKZAN; ISSN: 0515-9628

DT Journal

LA Russian

L4 ANSWER 167 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 95:150616 CASREACT

TI Synthesis of heterocycles: synthesis of naphtho[4,5-b]thiazolo[2,3-a][1,2,4]triazepines

AU Jain, Moti Lal; Soni, Rajendra Prasad

CS Dep. Chem., Univ. Jodhpur, Jodhpur, India

SO Heterocycles (1981), 16(7), 1077-80

CODEN: HTCYAM; ISSN: 0385-5414

DT Journal

LA English

L4 ANSWER 168 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 95:150593 CASREACT

TI 1H-Imidazo[4,5-b]pyrazines. III. 2-Thiols and derivatives

AU Tong, Y. C.

CS West. Div. Res. Lab., Dow Chem. USA, Walnut Creek, CA, 94598, USA

SO J. Heterocycl. Chem. (1981), 18(4), 751-3

CODEN: JHTCAD; ISSN: 0022-152X

DT Journal

LA English

L4 ANSWER 169 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 95:132796 CASREACT

TI Pyrimidine derivatives. II. New synthesis and reactions of

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4-amino-2-methylthiopyrimidine derivatives
AU Sekiya, Tetsuo; Hiranuma, Hidetoshi; Uchide, Masayuki; Hata, Shunsuke;
Yamada, Shunichi
CS Res. Lab., Mitsubishi Pharm. Co., Ltd., Ibaraki, 300-03, Japan
SO Chem. Pharm. Bull. (1981), 29(4), 948-54
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 170 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 95:42999 CASREACT
TI Synthesis of five-membered heterocycles. Reaction of 2-pyridyl
isothiocyanate with amidrazone hydrochlorides
AU Santus, Maria
CS Inst. Agric. Prod. Technol., Sch. Agric., Krakow, Pol.
SO Acta Pol. Pharm. (1980), 37(3), 293-300
CODEN: APPHAX; ISSN: 0001-6837
DT Journal
LA Polish

L4 ANSWER 171 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 95:7159 CASREACT
TI Synthesis of some derivatives of 1,2,4-triazole and 1,3,4-thiadiazole
using N3-substituted amidrazones as starting materials
AU Bany, Tadeusz; Modzelewska, Bozena; Santus, Maria
CS Inst. Fundam. Chem., Med. Acad., Lublin, Pol.
SO Ann. Univ. Mariae Curie-Sklodowska, Sect. AA: Phys. Chem. (1980), Volume
Date 1976-1977, 31-32, 277-83
CODEN: ACFCAD; ISSN: 0365-1193
DT Journal
LA Polish

L4 ANSWER 172 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 94:156918 CASREACT
TI Herbicidal diarylamine derivatives
IN Barton, John Edward Duncan; Serban, Alexander; Watson, Keith Geoffrey
PA ICI Australia Ltd., Australia
SO Eur. Pat. Appl., 75 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 18080	A1	19801029	EP 1980-300793	19800314
	EP 18080	B1	19840314		
	R: BE, CH, DE, FR, GB, IT, NL				
	AU 8055985	A1	19800925	AU 1980-55985	19790319
	AU 534093	B2	19840105		
	ZA 8001246	A	19810325	ZA 1980-1246	19800304
	IL 59533	A1	19850131	IL 1980-59533	19800305
	HU 25187	O	19830628	HU 1980-603	19800314
	HU 183116	B	19840428		

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US 4314065	A	19820202	US 1980-131389	19800317
BR 8001618	A	19801118	BR 1980-1618	19800318
JP 55149263	A2	19801120	JP 1980-33480	19800318
JP 04028701	B4	19920515		
ES 489692	A1	19810416	ES 1980-489692	19800318
PRAI AU 1979-8094	19790319			
GB 1979-13065	19790412			
AU 1979-8886	19790522			

L4 ANSWER 173 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 94:83851 CASREACT
TI Studies on .beta.-lactam synthesis. VI. Exchange of tritylthio and methylthio groups in N-protected alkyl
2-(trans-4-alkylthio-3-amino-2-oxo-1-azetidiny)acrylates
AU Hoppe, Dieter; Kloft, Michael
CS Org. Chem. Inst., Univ. Goettingen, Goettingen, D-3400, Fed. Rep. Ger.
SO Liebig's Ann. Chem. (1980), (10), 1527-39
CODEN: LACHDL; ISSN: 0170-2041
DT Journal
LA German

L4 ANSWER 174 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 94:65571 CASREACT
TI Novel chlorination of the 1,3,4-thiadiazole ring
AU Dixon, D. D.; Ford, M. E.
CS Air Prod., Allentown, PA, 18105, USA
SO J. Heterocycl. Chem. (1980), 17(6), 1311-12
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English

L4 ANSWER 175 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 94:15636 CASREACT
TI Pyrazolopyridines. Part 5. Preparation and reactions of pyrazolo[3,4-c]pyridines
AU Chapman, David; Hurst, Jim
CS Sch. Pharm., Sunderland Polytech., Sunderland, SR1 3SD, Engl.
SO J. Chem. Soc., Perkin Trans. 1 (1980), (11), 2398-404
CODEN: JCPRB4; ISSN: 0300-922X
DT Journal
LA English

L4 ANSWER 176 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 93:150262 CASREACT
TI Cephalosporin analogs and processes for the preparation thereof
IN Hashimoto, Masashi; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Hagiwara, Daijiro
PA Fujisawa Pharmaceutical Co., Ltd., Japan
SO Brit. UK Pat. Appl., 41 pp.
CODEN: BAXXDU
DT Patent

V. Balasubramanian

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2022092	A	19791212	GB 1979-19486	19790605
	GB 2022092	B2	19830223		
	US 4264597	A	19810428	US 1979-43706	19790530
	DE 2922590	A1	19791220	DE 1979-2922590	19790602
	FR 2428042	A1	19800104	FR 1979-14342	19790605
	FR 2428042	B1	19830520		
	JP 55019250	A2	19800209	JP 1979-70926	19790605
	JP 01007075	B4	19890207		
	CH 644866	A	19840831	CH 1979-5272	19790606
	US 4342760	A	19820803	US 1980-196830	19801014
	GB 2105322	A1	19830323	GB 1981-35339	19811124
	GB 2105322	B2	19830914		
	JP 62070354	A2	19870331	JP 1986-216879	19860912
	JP 01005022	B4	19890127		
PRAI	GB 1978-26421		19780606		
	US 1979-43706		19790530		
	GB 1979-19486		19790605		

L4 ANSWER 177 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 93:132424 CASREACT

TI Acid-catalyzed rearrangement of bis-5,6-dihydro-4H-1,3-thiazin-2-yl and other disulfides and related reactions

AU Barrett, Anthony G. M.; Barton, Derek H. R.; Colle, Roberto

CS Dep. Chem., Imp. Coll., London, SW7 2AY, Engl.

SO J. Chem. Soc., Perkin Trans. 1 (1980), (3), 665-71

CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L4 ANSWER 178 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 93:95174 CASREACT

TI Condensed isothiazoles. Part 5. Thieno[2,3-d]isothiazoles and thien[3,2-d]isothiazoles

AU Clarke, Kenneth; Fox, William Richard; Scrowston, Richard M.

CS Dep. Chem., Univ. Hull, Hull, HU6 7RX, Engl.

SO J. Chem. Soc., Perkin Trans. 1 (1980), (4), 1029-37

CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L4 ANSWER 179 OF 199 CASREACT COPYRIGHT 2001 ACS

AN 92:41874 CASREACT

TI Isomerizations akin to the Dimroth rearrangement. V. Bis-s-triazolo[4,3-a:4',3'-c]pyrimidines and related systems

AU Brown, Desmond J.; Nagamatsu, Tomohisa

CS John Curtin Sch. Med. Res., Canberra, 2601, Australia

SO Aust. J. Chem. (1979), 32(7), 1585-93

CODEN: AJCHAS; ISSN: 0004-9425

DT Journal

V. Balasubramanian

LA English

L4 ANSWER 180 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 91:211216 CASREACT
TI Reactions of 4-[methyl(or chloro)sulfonyl]-2,3,5,6-tetrabromopyridines
with nucleophilic reagents
AU Moshchitskii, S. D.; Zeikans, A.
CS Inst. Org. Khim., Kiev, 252660, USSR
SO Khim. Geterotsikl. Soedin. (1979), (7), 937-42
CODEN: KGSSAQ; ISSN: 0453-8234
DT Journal
LA Russian

L4 ANSWER 181 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 91:74515 CASREACT
TI Synthesis of antimicrobial agents. III. Synthesis and antimicrobial
activities of thiazolo[5,4-b]naphthyridine derivatives
AU Suzuki, Norio; Dohmori, Renzo
CS Res. Inst., Daiichi Seiyaku Co., Ltd., Tokyo, Japan
SO Chem. Pharm. Bull. (1979), 27(2), 410-18
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 182 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 91:56946 CASREACT
TI Cyclic guanidines. VI. Synthesis of hypoglycemic tricyclic guanidines
AU Kosasayama, Akira; Higashi, Kunio; Ishikawa, Fumiyoshi
CS Res. Inst., Daiichi Seiyaku Co., Ltd., Tokyo, 132, Japan
SO Chem. Pharm. Bull. (1979), 27(4), 880-92
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L4 ANSWER 183 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 91:5157 CASREACT
TI Synthesis of imidazo[4,5-b]pyridines
AU Hayakawa, Isao; Yamazaki, Kenichi; Dohmori, Renzo; Koga, Naofumi
CS Res. Inst., Daiichi Seiyaku Co., Ltd., Tokyo, Japan
SO Heterocycles (1978), 10, 241-5
CODEN: HTCYAM; ISSN: 0385-5414
DT Journal
LA English

L4 ANSWER 184 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 90:121500 CASREACT
TI Synthesis of some 3-substituted-s-triazolo[5,4-b]naphtho[2,1-d]thiazole
AU Kulkarni, A. P.; Jannawar, S. T.; Deshpande, D. S.
CS Chem. Dep., Sci. Coll., Nanded, India
SO J. Indian Chem. Soc. (1978), 55(9), 922-4
CODEN: JICSAH; ISSN: 0019-4522

V. Balasubramanian

DT Journal
LA English

L4 ANSWER 185 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 90:103780 CASREACT
TI Synthesis and properties of 4-mercapto-2,3,5,6-tetrabromopyridine
AU Moshchitskii, S. D.; Zeikan, A. A.
CS Inst. Org. Khim., Kiev, USSR
SO Khim. Geterotsikl. Soedin. (1978), (11), 1514-18
CODEN: KGSSAQ; ISSN: 0453-8234
DT Journal
LA Russian

L4 ANSWER 186 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 88:130730 CASREACT
TI Synthesis and screening of 8-(4'-thiazolyl)purines
AU Giner-Sorolla, A.; Segarra, J. T.; Brooks, M. H.
CS Mem. Sloan-Kettering Cancer Cent., New York, N. Y., USA
SO J. Med. Chem. (1978), 21(4), 344-8
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English

L4 ANSWER 187 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 87:184421 CASREACT
TI Derivatives of pyrazoloanthrone. I. Reactivity of 3-aminopyrazoloanthrone
AU Galushko, A. M.; Dokunikhin, N. S.
CS Nauchno-Issled. Inst. Org. Poluprod. Krasitelei, Moscow, USSR
SO Khim. Geterotsikl. Soedin. (1977), (7), 956-61
CODEN: KGSSAQ
DT Journal
LA Russian

L4 ANSWER 188 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 87:167990 CASREACT
TI 3-Monosubstituted and 3,6-unsymmetrically disubstituted 1,2,4,5-tetrazines. A general method of synthesis
AU Mangia, Alberto; Bortesi, Fulvio; Amendola, Umberto
CS Res. Lab., Pierrel S.p.A., Milan, Italy
SO J. Heterocycl. Chem. (1977), 14(4), 587-93
CODEN: JHTCAD
DT Journal
LA English

L4 ANSWER 189 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 87:39389 CASREACT
TI Reaction of 1-methylene-3,5,7-trimethyl-2,4,6,8-tetrathiaprotadamantane with thioacetic acid
AU Lerman, B. M.; Umanskaya, L. I.; Tolstikov, G. A.
CS Inst. Khim., Ufa, USSR

V. Balasubramanian

SO Izv. Akad. Nauk SSSR, Ser. Khim. (1977), (3), 638-40
CODEN: IASKA6
DT Journal
LA Russian

L4 ANSWER 190 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 87:23127 CASREACT
TI New heterocyclic compounds: bis(2-chlorobenzothiazoles). Synthesis.
Characterization
AU Blaise, Christian; Bouanane, Abdelhakim; Lochon, Pierre; Neel, Jean
CS Lab. Chim. Phys. Macromol., Ec. Natl. Super. Ind. Chim., Nancy, Fr.
SO Bull. Soc. Chim. Fr. (1976), (11-12, Pt. 2), 1843-4
CODEN: BSCFAS
DT Journal
LA French

L4 ANSWER 191 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 86:120300 CASREACT
TI Pyridopyrimidines. 6. Nucleophilic substitutions in the
pyrido[2,3-d]pyrimidine series
AU Anderson, Gary L.; Shim, Jaewon L.; Broom, Arthur D.
CS Coll. Pharm., Univ. Utah, Salt Lake City, Utah, USA
SO J. Org. Chem. (1977), 42(6), 993-6
CODEN: JOCEAH
DT Journal
LA English

L4 ANSWER 192 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 85:160011 CASREACT
TI Fused pyrimidines. I. A one-step synthesis of 3-aminoisothiazolo[3,4-
d]pyrimidines from 6-aminouracils and Vilsmeier reagents
AU Furukawa, Yoshiyasu; Miyashita, Osamu; Shima, Shunsuke
CS Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, Japan
SO Chem. Pharm. Bull. (1976), 24(5), 970-8
CODEN: CPBTAL
DT Journal
LA English

L4 ANSWER 193 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 85:46590 CASREACT
TI Synthesis of analogs of 5(4)-aminoimidazole-4(5)-carboxamide and purines.
V. Some reactions of imidazo[4,5-d][1,2,3]triazines
AU Mokrushin, V. S.; Ofitserov, V. I.; Rapakova, T. V.; Tsaur, A. G.;
Pushkareva, Z. V.
CS Ural. Politekh. Inst. im. Kirova, Sverdlovsk, USSR
SO Khim. Geterotsikl. Soedin. (1976), (4), 556-9
CODEN: KGSSAQ
DT Journal
LA Russian

L4 ANSWER 194 OF 199 CASREACT COPYRIGHT 2001 ACS

V. Balasubramanian

AN 84:164737 CASREACT
TI Synthesis and properties of substituted 1,4,2-dithiazines
AU Fanghaenel, E.
CS Sek. Verfahrenschem., Tech. Hochsch. "Carl Schorlemmer" Leuna-Merseburg,
Merseburg, E. Ger.
SO J. Prakt. Chem. (1976), 318(1), 127-43
CODEN: JPCEAO
DT Journal
LA German

L4 ANSWER 195 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 84:135547 CASREACT
TI 2,3,5,6-Tetrahydro-5,6-diphenylimidazo[2,1-b]thiazol-3-one
AU Ali, Mohamed I.; El-Sayed, Abdou A.; Hammouda, Hamdy A.
CS Fac. Sci., Univ. Cairo, Giza, Egypt
SO J. Prakt. Chem. (1976), 318(1), 168-72
CODEN: JPCEAO
DT Journal
LA English

L4 ANSWER 196 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 84:59957 CASREACT
TI 2-Halogenoadenosines
IN Kikugawa, Kiyomi; Suehiro, Hideo; Ichino, Motonobu; Nakamura, Tokuro
PA Kohjin Co., Ltd., Japan
SO Japan. Kokai, 3 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 50121297	A2	19750923	JP 1974-27725	19740312
	JP 56030356	B4	19810714		

L4 ANSWER 197 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 83:193242 CASREACT
TI s-Triazines. VII. Synthesis of dihaloheteroaryl-s-triazines. Reaction
of 2,4,6-trichloro-s-triazine with N-heteroaromatic rings
AU Chakrabarti, J. K.; Tupper, D. E.
CS Lilly Res. Cent. Ltd., Windlesham, Engl.
SO Tetrahedron (1975), 31(16), 1879-82
CODEN: TETRAB
DT Journal
LA English

L4 ANSWER 198 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 83:79185 CASREACT
TI Pyrimidine derivatives. XXXVII. 2-Substituted
5-(3',4'-dimethoxybenzyl)-
and 5-(2'-bromo-4',5'-dimethoxybenzyl)pyrimidines
AU Aroyan, A. A.; Kramer, M. S.; Saakyan, A. G.

V. Balasubramanian

CS Inst. Tonkoi Org. Khim. im. Mndzhoyana, Yerevan, USSR
SO Arm. Khim. Zh. (1975), 28(2), 150-4
CODEN: AYKZAN
DT Journal
LA Russian



L4 ANSWER 199 OF 199 CASREACT COPYRIGHT 2001 ACS
AN 82:57661 CASREACT
TI Condensed heterotricycles. 10,11-Ring-annealed
dibenz[b,f][1,4]oxazepines
AU Nagarajan, K.; Shah, R. K.
CS Res. Cent., CIBA, Bombay, India
SO Indian J. Chem. (1974), 12(3), 263-9
CODEN: IJOCAP
DT Journal
LA English

=> log y		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	261.00	261.15

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STN INTERNATIONAL LOGOFF AT 14:53:06 ON 22 OCT 2001

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LCASREACT IS A STATIC LEARNING FILE

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading c:\stnexp4\queries\719508.str

L1 STRUCTURE UPLOADED

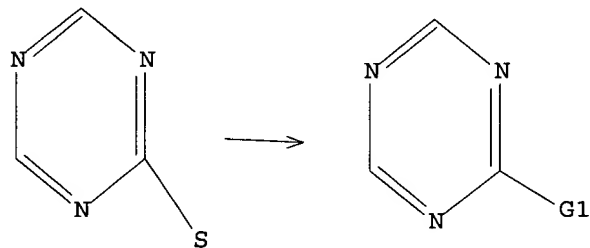
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L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 N,Cl

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss ful

FULL SEARCH INITIATED 16:31:04 FILE 'LCASREACT'
SCREENING COMPLETE - 11 REACTIONS TO VERIFY FROM 1 DOCUMENTS

100.0% DONE 11 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1 (0 REACTIONS)

=> file casreact

09/719,508

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.30

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FILE CONTENT:1985 - 2 Sep 2001 (VOL 102 ISS 1 - VOL 135 ISS 10)

>>> Several important enhancements to CASREACT functional group <<<
>>> searching were introduced. Enter HELP FGA or HELP FGC for more <<<
>>> information. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

Structure search limits have been increased. See HELP SLIMIT for details.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:31:26 FILE 'CASREACT'
SCREENING COMPLETE - 4 REACTIONS TO VERIFY FROM 2 DOCUMENTS

100.0% DONE 4 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 4 TO 199
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L1 (0 REACTIONS)

=> s l1 sss ful

FULL SEARCH INITIATED 16:31:42 FILE 'CASREACT'
SCREENING COMPLETE - 192 REACTIONS TO VERIFY FROM 37 DOCUMENTS

100.0% DONE 192 VERIFIED 8 HIT RXNS 4 DOCS
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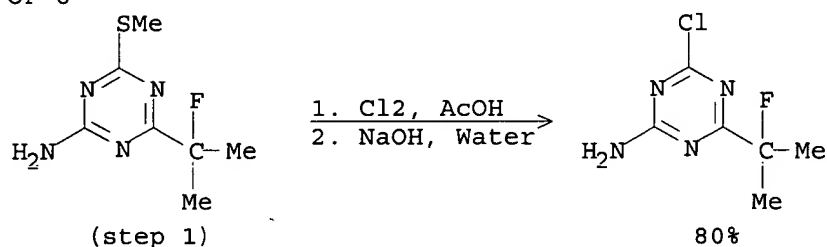
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L5 ANSWER 1 OF 4 CASREACT COPYRIGHT 2001 ACS

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RX(2) OF 6

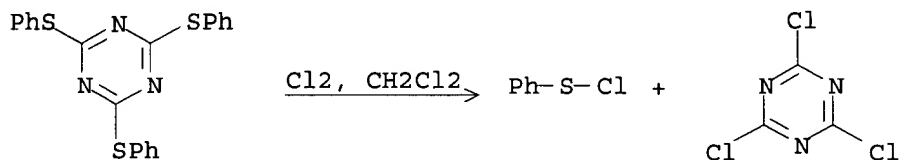


REF: Ger. Offen., 19830902, 13 Jan 2000

NOTE: claimed reaction

L5 ANSWER 2 OF 4 CASREACT COPYRIGHT 2001 ACS

RX(8) OF 13

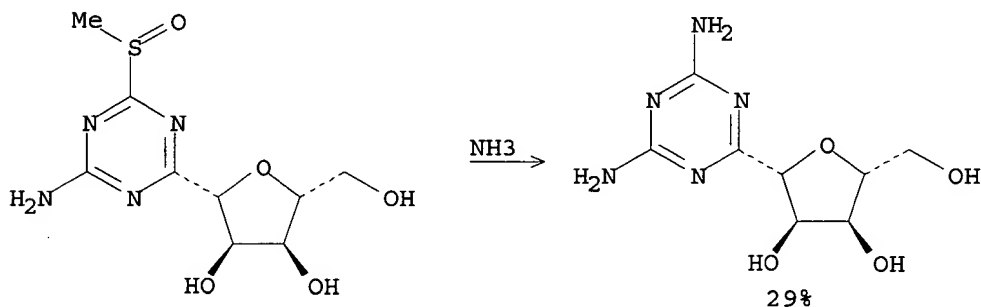


REF: Z. Naturforsch., B: Chem. Sci., 54(5), 609-616; 1999

NOTE: PHOTOCHEM., 100% OVERALL YIELD

L5 ANSWER 3 OF 4 CASREACT COPYRIGHT 2001 ACS

RX(3) OF 14

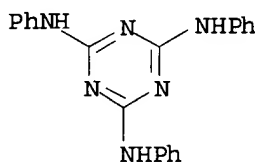
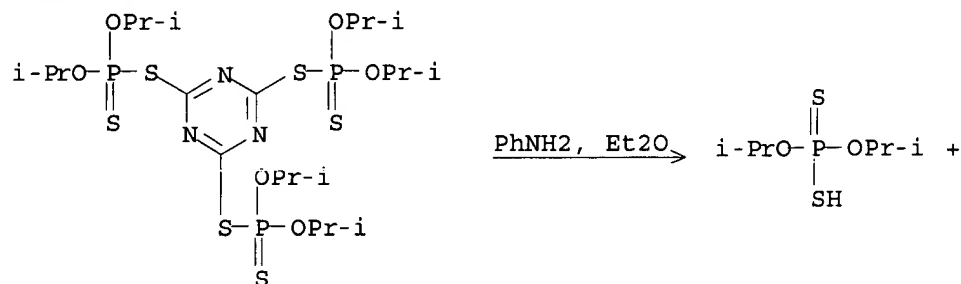


REF: J. Heterocycl. Chem., 23(6), 1709-14; 1986

L5 ANSWER 4 OF 4 CASREACT COPYRIGHT 2001 ACS

V. Balasubramanian

RX(5) OF 5



REF: Zh. Obshch. Khim., 55(12), 2681-91; 1985

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

97.11

97.41

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<http://www.cas.org/ONLINE/STN/ExpressSurveyForm.html?LOGINID=SSSPTA1611BXV>

STN INTERNATIONAL LOGOFF AT 16:32:04 ON 08 SEP 2001

09/719,508

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L1 STRUCTURE UPLOADED

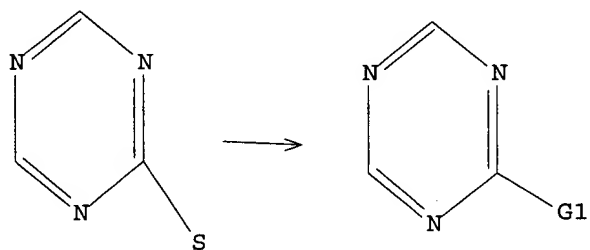
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L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 N,Cl

Structure attributes must be viewed using STN Express query preparation.

V. Balasubramanian

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:31:26 FILE 'CASREACT'
SCREENING COMPLETE - 4 REACTIONS TO VERIFY FROM 2 DOCUMENTS

100.0% DONE 4 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 4 TO 199
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L1 (0 REACTIONS)

=> s l1 sss ful

FULL SEARCH INITIATED 16:31:42 FILE 'CASREACT'
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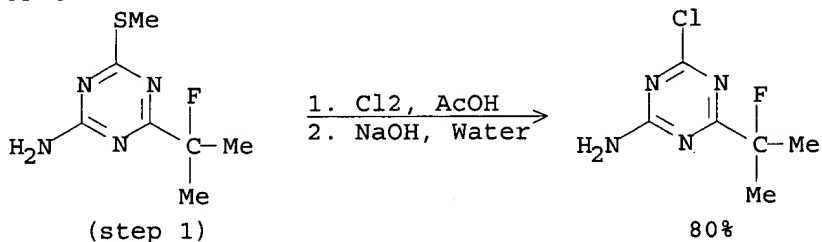
100.0% DONE 192 VERIFIED 8 HIT RXNS 4 DOCS
SEARCH TIME: 00.00.01

L5 4 SEA SSS FUL L1 (8 REACTIONS)

=> d l5 1-4

L5 ANSWER 1 OF 4 CASREACT COPYRIGHT 2001 ACS

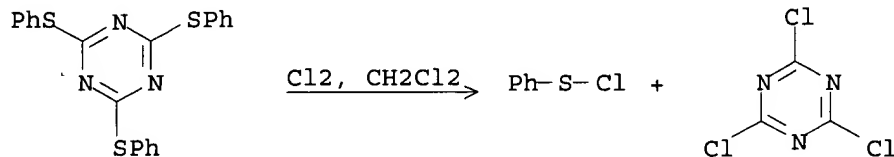
RX(2) OF 6



REF: Ger. Offen., 19830902, 13 Jan 2000
NOTE: claimed reaction

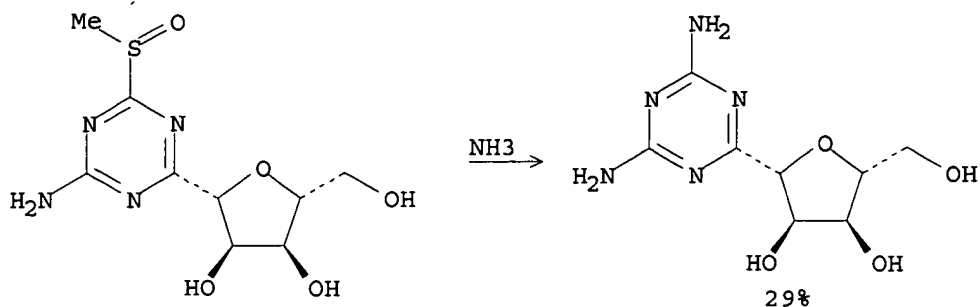
L5 ANSWER 2 OF 4 CASREACT COPYRIGHT 2001 ACS

RX(8) OF 13



REF: Z. Naturforsch., B: Chem. Sci., 54(5), 609-616; 1999
NOTE: PHOTOCHEM., 100% OVERALL YIELD

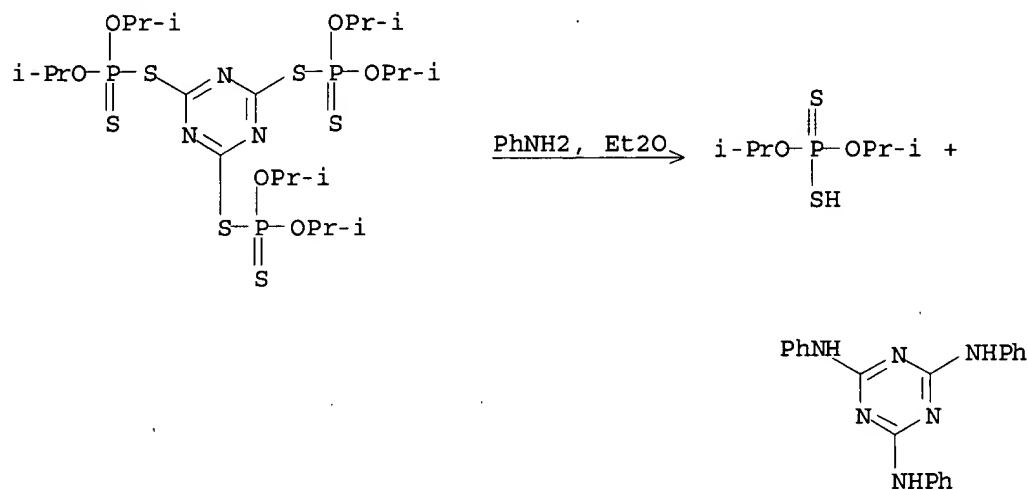
RX(3) OF 14



REF: J. Heterocycl. Chem., 23(6), 1709-14; 1986

L5 ANSWER 4 OF 4 CASREACT COPYRIGHT 2001 ACS

RX(5) OF 5



REF: Zh. Obshch. Khim., 55(12), 2681-91; 1985